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ABSTRACT

These data are based on Federal agency responses to the National Science Foundation survey on funding for research, development and scientific activities. A report on the data, to be published at a later date, will present an analysis of the R&D portion of the 1977 Federal budget. The 130 tables in this document provide data for 1975-77 on the R&D effort in terms of such factors as agency, character of work, performer, field of science, and geographic distribution. Some historical data are also included. (MS)

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FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND OTHER SCIENTIFIC ACTIVITIES, FISCAL YEARS 1975, 1976, and 1977
VOLUME XXV

Detailed Statistical Tables
Appendixes C and D

SURVEYS OF SCIENCE RESOURCES SERIES
NATIONAL SCIENCE FOUNDATION
WASHINGTON, D.C. 20550

NSF 76-315

EXPLANATORY NOTE

These data are based on Federal agency responses to the National Science Foundation survey for *Federal Funds for Research, Development, and Other Scientific Activities*, Volume XXV. In these tables, data for 1975 are actual. Data for 1976 and 1977 are estimated and do not represent final obligations. The timing of the *Federal Funds* survey coincided with the midpoint of fiscal year 1976, the period when the annual budget had just been forwarded to Congress for fiscal year 1977, and thus the 1977 data do not reflect subsequent congressional actions or changes made by Executive apportionment.

The report, *Federal Funds for Research, Development, and Other Scientific Activities*, Volume XXV will be published at a later date. The report will analyze the R&D portion of the 1977 Federal budget, relating current levels to former levels and to recent budget totals, and comparing Federal R&D support with broader economic indicators. The report will describe and analyze R&D programs by agency, performer, character of work, and State distribution and will provide a number of summary tables and charts to aid in the analyses. Also included will be a section describing the funding levels and activities of agencies involved in the support of scientific and technical information.

The report will not include the detailed statistical tables *Appendixes C and D*. Inquiries relating to *Federal Funds*, Volume XXV should be directed to the National Science Foundation, Division of Science Resources Studies, Washington, D.C. 20550.

July 1976

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NOTES

- Estimates for 1977 are based on *The Budget, FY 1977*, as submitted to Congress, and do not reflect subsequent appropriations and apportionment actions.
- Details may not add to totals because of rounding.
- Asterisks appearing in lieu of figures indicate that the amounts are less than $50,000.
- The abbreviation "FFRDC" appearing in statistical tables refers to Federally Funded Research and Development Centers.
- Defense Agencies within the Department of Defense include the Defense Advanced Research Projects Agency, the Defense Nuclear Agency, and the Defense Communications Agency.
- Departmentwide Funds of the Department of Defense cover the Defense Civil Preparedness Agency.
- The R&D data of the Energy Research and Development Administration reflect obligations or outlays rather than accrued costs, as was the case in previous reports.
- In tables showing extramural performers, obligations to agricultural experiment stations are included within obligations to universities and colleges.
- Within the Department of Commerce, data formerly reported under the Social and Economic Statistics Administration are now reported under the Bureau of the Census.
- Within the Department of Labor the former Manpower Administration has been renamed the Employment and Training Administration.
- Historical data appearing in these tables for overall research and development and R&D plant cover all fiscal years between 1967 and 1977. Historical data for basic research, applied research, and development cover only fiscal years 1967, 1969, 1971, 1973, and 1975-77. The reason is that NASA programs have been reclassified by character of work. Most of the major NASA projects are now categorized entirely as development. In former years substantial portions of these projects were classified as research, either basic or applied. The NASA prior-year data have been partially readjusted to reflect these changes. Omitted past years 1968, 1970, 1972, and 1974 will be included in next year's *Appendix Tables C and D* for *Federal Funds*, Volume XXVI.
- **The current appendix tables providing data on basic research, applied research, and development for fiscal years 1975, 1976 and 1977 are** *not* **comparable with data for those categories in appendix tables issued to accompany earlier** *Federal Funds* **reports. For trend comparisons, use only these** *Appendix Tables C and D* **for Volume XXV and not any earlier ones.**

Table C-1.—Summary of Federal funds for research, development, and R&D plant: fiscal years 1975, 1976, and 1977

[Millions of dollars]

Item	Actual 1975	Estimates 1976	Estimates 1977
TOTAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT	19,589.7	21,378.8	23,595.9
Research and Development	18,760.1	20,480.2	22,710.8
R&D Plant	829.7	898.6	885.1
TOTAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT	19,865.0	22,512.5	24,726.9
Research and Development	19,044.3	21,624.7	23,487.6
Total Research	6,929.2	7,568.3	7,850.7
Basic research	2,145.8	2,345.1	2,519.5
Applied research	4,783.4	5,223.2	5,331.2
Development	12,115.1	14,056.4	15,636.9
R&D Plant	820.7	887.8	1,239.3
Research and Development			
Performers			
Federal intramural[1]	5,394.9	5,923.4	6,060.2
Industrial firms	8,385.3	9,917.0	11,346.6
FFRDC's administered by industrial firms	728.6	859.3	961.1
Universities and colleges	2,402.7	2,568.7	2,643.2
FFRDC's administered by universities and colleges	935.1	1,064.9	1,175.4
Nonprofit institutions	717.8	743.0	706.5
FFRDC's administered by nonprofit institutions	219.9	230.1	267.2
State and local governments	198.3	234.8	246.8
Foreign	61.6	83.4	80.5
Research			
Performers			
Federal intramural[1]	2,412.3	2,590.6	2,676.5
Industrial firms	1,267.1	1,411.0	1,500.0
FFRDC's administered by industrial firms	140.9	179.0	196.6
Universities and colleges	2,140.9	2,259.6	2,324.0
FFRDC's administered by universities and colleges	421.0	476.9	508.2
Nonprofit institutions	390.9	434.4	429.4
FFRDC's administered by nonprofit institutions	64.5	63.1	63.6
State and local governements	86.6	92.7	101.5
Foreign	40.9	61.0	50.9
Fields of science			
Life sciences	2,449.9	2,708.5	2,698.2
Psychology	133.6	132.5	137.2
Physical sciences	1,025.2	1,103.6	1,194.3
Environmental sciences	652.8	693.0	745.0
Mathematics	136.2	142.9	154.5
Engineering	2,041.4	2,209.9	2,306.0
Social sciences	303.4	364.2	382.9
Other Sciences	186.7	213.6	232.5
Basic Research			
Performers			
Federal intramural[1]	644.7	692.3	727.1
Industrial firms	72.4	89.8	123.3
FFRDC's administered by industrial firms	32.9	35.7	38.7
Universities and colleges	1,065.4	1,156.5	1,242.9
FFRDC's administered by universities and colleges	205.2	230.8	239.8
Nonprofit institutions	97.3	108.2	112.5
FFRDC's administered by nonprofit institutions	4.3	4.3	4.8
State and local governments	11.8	13.9	14.1
Foreign	11.8	13.6	16.4
Fields of science			
Life sciences	776.0	876.9	908.6
Psychology	48.5	50.6	53.1
Physical sciences	616.0	659.6	718.4
Environmental sciences	331.1	356.9	389.7
Mathematics	58.5	62.4	70.5
Engineering	227.9	238.4	266.4
Social sciences	72.8	87.0	98.9
Other sciences	15.0	13.4	13.8
Applied Research			
Performers			
Federal intramural[1]	1,767.5	1,898.3	1,949.4
Industrial firms	1,194.8	1,321.2	1,376.8
FFRDC's administered by industrial firms	108.0	143.4	157.9
Universities and colleges	1,039.5	1,103.2	1,081.1
FFRDC's administered by universities and colleges	215.8	246.1	268.4
Nonprofit institutions	293.6	326.2	316.9
FFRDC's administered by nonprofit institutions	60.3	58.7	58.8
State and local governments	74.8	78.8	87.4
Foreign	29.1	47.3	34.5
Fields of science			
Life sciences	1,673.9	1,831.6	1,789.6
Psychology	85.1	81.9	84.2
Physical sciences	409.2	444.0	475.9
Environmental sciences	321.7	336.2	355.4
Mathematics	77.6	80.5	84.0
Engineering	1,813.5	1,971.5	2,039.6
Social sciences	230.6	277.2	284.0
Other sciences	171.7	200.2	218.7
Development			
Performers			
Federal intramural[1]	2,982.7	3,332.9	3,383.7
Industrial firms	7,118.2	8,506.0	9,846.5
FFRDC's administered by industrial firms	587.7	680.3	764.5
Universities and colleges	297.9	309.1	319.2
FFRDC's administered by universities and colleges	514.1	588.0	667.2
Nonprofit institutions	326.9	308.5	277.1
FFRDC's administered by nonprofit institutions	155.4	167.0	203.6
State and local governments	111.6	142.1	145.3
Foreign	20.6	22.5	29.7
R&D Plant			
Performers supported			
Federal intramural	346.8	387.9	545.8
Industrial firms	62.3	95.3	144.4
FFRDC's administered by industrial firms	229.7	205.6	212.5
Universities and colleges	35.9	31.1	33.3
FFRDC's administered by universities and colleges	131.8	158.0	292.6
Nonprofit institutions	10.5	6.2	4.9
FFRDC's administered by nonprofit institutions	3.6	3.8	5.8
State and local governments	.2	(2)	(2)
Foreign	(2)	—	—

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Less than $50,000.

Source: National Science Foundation.

TABLE C-2. FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977
TOTAL, ALL AGENCIES	19,865.0	22,512.5	24,726.5	19,589.7	21,378.8	23,595.9
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	427.9	514.1	506.1	425.6	500.7	518.6
AGRICULTURAL RESEARCH SERVICE	221.6	285.0	269.5	232.8	265.9	282.9
COOPERATIVE STATE RESEARCH SERVICE	101.1	114.2	122.3	95.0	111.9	123.8
ECONOMIC RESEARCH SERVICE	21.3	24.7	25.0	22.3	24.7	25.0
FARMER COOPERATIVE SERVICE	1.2	1.3	1.3	1.1	1.3	1.3
FOREST SERVICE	81.5	86.9	85.9	72.5	90.9	83.6
NATIONAL AGRICULTURAL LIBRARY	*	*	*	.1	.1	*
STATISTICAL REPORTING SERVICE	1.2	2.0	2.0	1.2	2.0	2.0
DEPARTMENT OF COMMERCE, TOTAL	224.9	246.5	239.0	224.6	239.6	230.1
BUREAU OF THE CENSUS	1.0	1.2	1.3	1.0	1.2	1.3
ECONOMIC DEVELOPMENT ADMINISTRATION	10.3	15.3	6.4	15.0	14.7	11.9
MARITIME ADMINISTRATION	23.9	22.4	21.5	27.9	28.9	19.2
NATIONAL BUREAU OF STANDARDS	44.6	50.8	50.3	47.7	48.4	50.4
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	3.6	6.4	6.1	2.4	4.7	4.2
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATON	135.1	147.2	149.5	127.7	136.8	139.6
OFFICE OF MINORITY BUSINESS ENTERPRISE	4.6	1.9	1.9	1.8	3.6	1.9
OFFICE OF TELECOMMUNICATIONS	1.3	1.2	1.4	1.1	1.1	1.2
PATENT AND TRADEMARK OFFICE	.5	.4	.4	.5	.4	.4
DEPARTMENT OF DEFENSE, TOTAL	9,179.6	10,084.6	11,584.4	9,363.5	9,684.4	10,969.0
DEPARTMENT OF THE ARMY	1,920.7	2,093.1	2,465.2	2,083.0	2,071.5	2,405.7
MILITARY FUNCTIONS	1,907.9	2,078.0	2,450.2	2,070.2	2,056.3	2,390.6
RDT&E APPROPRIATIONS	1,805.5	1,973.9	2,331.7	1,964.4	1,948.0	2,287.0
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	86.7	89.4	94.2	84.1	89.3	92.1
MILITARY CONSTRUCTION	15.6	14.7	24.3	21.7	19.0	11.5
CIVIL FUNCTIONS	12.8	15.2	15.0	12.8	15.2	15.0
DEPARTMENT OF THE NAVY	3,162.8	3,450.0	4,027.7	3,156.3	3,260.3	4,118.5
RDT&E APPROPRIATIONS	3,042.7	3,332.0	3,916.7	3,021.0	3,145.0	4,007.0
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	90.6	95.8	98.0	90.3	95.9	97.0
MILITARY CONSTRUCTION	27.5	18.7	10.4	13.8	24.6	11.4
SPECIAL FOREIGN CURRENCY PROGRAM	2.1	2.5	2.6	1.2	2.8	3.1
DEPARTMENT OF THE AIR FORCE	3,573.1	3,895.1	4,365.0	3,567.6	3,697.1	3,740.3
RDT&E APPROPRIATIONS	3,313.2	3,616.0	3,916.3	3,310.9	3,419.0	3,448.0
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	241.5	242.9	240.1	241.5	242.9	240.1
MILITARY CONSTRUCTION	18.4	36.1	208.6	15.1	35.2	52.2
DEFENSE AGENCIES	497.4	616.8	695.6	556.9	619.8	677.2
RDT&E APPROPRIATIONS	490.9	609.5	682.0	550.3	611.7	669.8
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	6.5	7.4	7.3	6.5	7.4	7.3
MILITARY CONSTRUCTION	*	*	6.3	.1	.8	.2
DEPARTMENTWIDE FUNDS	1.7	1.7	1.0	3.0	2.0	1.0
DIRECTOR OF TEST AND EVALUATION, DEFENSE	23.9	27.9	29.9	26.8	25.7	26.3
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	2,414.3	2,637.9	2,580.7	2,178.3	2,430.7	2,558.6
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	139.4	142.6	127.1	114.1	134.5	129.4
CENTER FOR DISEASE CONTROL	42.6	50.7	52.5	44.6	48.9	40.1
FOOD AND DRUG ADMINISTRATION	36.6	41.8	38.2	28.3	30.7	30.0
HEALTH RESOURCES ADMINISTRATION	43.3	34.9	34.9	63.2	34.7	29.9
HEALTH SERVICES ADMINISTRATION	17.3	15.9	13.2	9.9	17.0	14.9
NATIONAL INSTITUTE OF EDUCATION	69.9	70.0	90.0	82.8	70.0	88.0
NATIONAL INSTITUTES OF HEALTH	1,883.9	2,060.0	1,992.9	1,684.4	1,902.7	2,010.0
OFFICE OF EDUCATION	45.9	78.5	88.8	53.1	56.3	77.7
OFFICE OF HUMAN DEVELOPMENT	64.3	70.3	62.0	47.2	60.2	63.4
OFFICE OF THE ASSISTANT SECRETARY FOR EDUCATION	12.6	13.1	13.1	10.6	11.5	11.1
OFFICE OF THE SECRETARY	26.2	25.0	30.6	8.7	32.5	29.6
SOCIAL AND REHABILITATION SERVICE	9.6	9.2	9.2	10.1	9.2	9.2
SOCIAL SECURITY ADMINISTRATION	22.6	25.9	27.0	21.3	22.5	25.2
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	62.0	68.1	77.7	58.7	63.3	73.8
DEPARTMENT OF THE INTERIOR, TOTAL	284.7	331.0	313.7	244.8	306.6	308.1
BONNEVILLE POWER ADMINISTRATION	6.1	8.7	4.0	8.7	10.3	4.7
BUREAU OF LAND MANAGEMENT	.8	.8	1.0	.5	.8	1.0
BUREAU OF MINES	101.6	139.0	129.2	78.7	118.4	129.1
BUREAU OF OUTDOOR RECREATION	*	*	*	*	*	*
BUREAU OF RECLAMATION	7.8	8.6	8.0	8.0	9.0	8.2
GEOLOGICAL SURVEY	114.5	118.4	114.8	101.9	117.2	114.8
NATIONAL PARK SERVICE	8.4	9.3	9.6	8.4	9.3	9.6
OFFICE OF THE SECRETARY	1.7	2.5	1.7	1.1	1.8	1.5
OFFICE OF WATER RESEARCH AND TECHNOLOGY	19.5	20.9	22.3	23.0	19.0	18.2
UNITED STATES FISH AND WILDLIFE SERVICE	24.4	22.9	23.1	21.3	20.7	21.0
DEPARTMENT OF JUSTICE, TOTAL	44.3	61.8	42.5	43.8	49.8	42.9
BUREAU OF PRISONS	.6	.9	1.9	.6	.9	1.8
DRUG ENFORCEMENT ADMINISTRATION	1.5	5.6	4.3	3.6	4.7	3.6
FEDERAL BUREAU OF INVESTIGATION	1.2	1.2	1.4	.6	1.0	.6
IMMIGRATION AND NATURALIZATION SERVICE	.1	.3	.4	.1	.3	.4
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	40.9	53.7	34.5	39.2	43.0	36.6

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TABLE C-2. FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(MILLIONS OF DOLLARS)

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AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977
DEPARTMENT OF LABOR, TOTAL	25.4	30.1	29.2	25.4	30.1	34.2
BUREAU OF LABOR STATISTICS	1.8	1.4	1.7	1.8	1.4	1.7
EMPLOYMENT AND TRAINING ADMINISTRATION	15.5	15.8	15.8	15.5	15.8	15.8
EMPLOYMENT STANDARDS ADMINISTRATION	3.2	5.4	5.5	3.2	5.4	5.5
LABOR-MANAGEMENT SERVICES ADMINISTRATION	.8	2.8	2.8	.8	2.8	2.8
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	2.0	2.9	6.3	2.0	2.3	6.3
OFFICE OF THE SECRETARY	2.0	2.4	2.2	2.0	2.4	2.2
DEPARTMENT OF STATE, TOTAL	27.9	31.5	33.4	28.6	24.9	26.6
DEPARTMENTAL FUNDS	1.2	1.5	1.5	1.2	1.5	1.5
AGENCY FOR INTERNATIONAL DEVELOPMENT	26.7	30.0	31.9	27.4	23.4	25.0
DEPARTMENT OF TRANSPORTATION, TOTAL	324.8	392.6	368.1	339.2	382.3	347.5
FEDERAL AVIATION ADMINISTRATION	109.0	106.3	112.2	113.7	118.0	109.9
FEDERAL HIGHWAY ADMINISTRATION	45.1	47.6	41.6	26.8	54.9	42.8
FEDERAL RAILROAD ADMINISTRATION	39.4	81.3	53.0	51.1	54.7	41.8
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	34.0	49.2	42.5	36.2	46.6	40.8
OFFICE OF THE SECRETARY	31.3	33.7	29.9	34.5	34.1	29.1
UNITED STATES COAST GUARD	16.5	18.6	19.0	16.1	18.5	18.5
URBAN MASS TRANSPORTATION ADMINISTRATION	49.4	56.0	70.0	60.9	55.5	64.6
DEPARTMENT OF THE TREASURY, TOTAL	1.7	1.8	1.6	1.7	1.8	1.6
BUREAU OF ENGRAVING AND PRINTING	1.7	1.8	1.6	1.7	1.8	1.6
OTHER AGENCIES						
ACTION	.2	.4	.1	*	.5	*
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	1.2	1.3	1.4	1.1	1.4	1.4
CIVIL AERONAUTICS BOARD	.4	.5	.5	.4	.5	.5
CIVIL SERVICE COMMISSION	4.4	4.7	3.9	4.4	4.7	3.9
COMMUNITY SERVICES ADMINISTRATION	48.0	39.0	39.0	49.4	39.0	39.0
CONSUMER PRODUCT SAFETY COMMISSION	7.9	6.0	6.4	7.9	6.0	6.4
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	2,464.8	3,241.6	3,918.9	2,271.5	2,805.8	3,479.5
ENVIRONMENTAL PROTECTION AGENCY	259.7	318.5	250.3	218.6	327.9	303.0
FEDERAL COMMUNICATIONS COMMISSION	1.1	2.0	1.6	.8	1.9	1.6
FEDERAL ENERGY ADMINISTRATION	1.3	3.0	6.1	1.0	3.3	5.6
FEDERAL HOME LOAN BANK BOARD	.7	.8	.8	.7	.8	.8
FEDERAL TRADE COMMISSION	.9	1.2	1.3	.9	1.2	1.3
GENERAL SERVICES ADMINISTRATION	1.8	1.2	2.8	1.7	1.4	2.8
LIBRARY OF CONGRESS	2.6	3.0	3.6	2.5	3.0	3.4
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,207.1	3,530.1	3,670.7	3,266.5	3,517.2	3,676.0
NATIONAL SCIENCE FOUNDATION	618.1	664.3	740.7	600.4	651.8	679.8
NUCLEAR REGULATORY COMMISSION	67.2	110.6	122.4	58.5	96.3	106.5
OFFICE OF TELECOMMUNICATIONS POLICY	4.1	3.1	2.7	4.1	3.1	2.7
SMALL BUSINESS ADMINISTRATION	.2	.6	.6	.2	.6	.6
SMITHSONIAN INSTITUTION	25.2	28.0	33.8	24.9	29.5	31.6
SPECIAL ACTION OFFICE FOR DRUG ABUSE PREVENTION	3.8	*	*	14.9	9.2	*
TENNESSEE VALLEY AUTHORITY	28.8	35.0	30.5	27.2	42.1	31.0
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1.0	1.6	2.3	1.0	1.6	2.3
UNITED STATES INFORMATION AGENCY	.1	.1	.1	.1	.1	.1
VETERANS ADMINISTRATION	97.0	115.8	105.2	97.0	115.8	105.2

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-3. FEDERAL FUNDS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	ACTUAL, 1975	ESTIMATE 1976	ESTIMATE 1977	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977
TOTAL, ALL AGENCIES	19,044.3	21,624.7	23,487.6	18,760.1	20,480.2	22,710.3
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	420.1	478.4	502.8	467.7	486.2	510.5
AGRICULTURAL RESEARCH SERVICE	217.1	254.8	266.5	228.8	259.6	275.1
COOPERATIVE STATE RESEARCH SERVICE	101.1	114.2	122.3	95.5	111.9	123.8
ECONOMIC RESEARCH SERVICE	21.3	24.7	25.0	22.2	24.7	25.0
FARMER COOPERATIVE SERVICE	1.2	1.3	1.3	1.2	1.3	1.3
FOREST SERVICE	78.2	81.4	85.7	68.6	86.7	83.4
NATIONAL AGRICULTURAL LIBRARY	*	*	*	.1	.1	*
STATISTICAL REPORTING SERVICE	1.2	2.0	2.0	1.2	2.0	2.0
DEPARTMENT OF COMMERCE, TOTAL	215.4	238.9	235.4	214.1	232.3	226.6
BUREAU OF THE CENSUS	1.0	1.2	1.3	1.0	1.2	1.3
ECONOMIC DEVELOPMENT ADMINISTRATION	10.3	15.0	6.4	15.0	14.7	11.9
MARITIME ADMINISTRATION	22.9	21.4	19.6	27.1	28.1	17.7
NATIONAL BUREAU OF STANDARDS	43.2	49.6	50.1	45.3	46.9	49.7
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	3.6	6.4	6.1	2.4	4.7	4.2
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATON	128.0	141.7	148.0	119.8	131.7	138.2
OFFICE OF MINORITY BUSINESS ENTERPRISE	4.6	1.9	1.9	1.8	3.6	1.9
OFFICE OF TELECOMMUNICATIONS	1.3	1.2	1.4	1.1	1.1	1.2
PATENT AND TRADEMARK OFFICE	.5	.4	.4	.5	.4	.4
DEPARTMENT OF DEFENSE, TOTAL	9,012.5	9,905.0	11,225.2	9,210.6	9,496.4	10,787.6
DEPARTMENT OF THE ARMY	1,896.7	2,067.3	2,425.4	2,053.1	2,042.6	2,380.6
MILITARY FUNCTIONS	1,885.2	2,055.0	2,412.9	2,041.6	2,030.4	2,368.1
RDT&E APPROPRIATIONS	1,798.5	1,965.7	2,318.7	1,957.4	1,941.1	2,276.0
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	86.7	89.4	94.2	84.1	89.3	92.1
CIVIL FUNCTIONS	11.5	12.3	12.5	11.5	12.3	12.5
DEPARTMENT OF THE NAVY	3,100.2	3,386.2	3,974.5	3,078.5	3,199.7	4,066.1
RDT&E APPROPRIATIONS	3,007.5	3,287.0	3,874.0	2,987.0	3,101.0	3,966.0
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	90.6	96.8	98.0	90.3	95.9	97.0
SPECIAL FOREIGN CURRENCY PROGRAM	2.1	2.5	2.6	1.2	2.8	3.1
DEPARTMENT OF THE AIR FORCE	3,513.5	3,815.8	4,113.7	3,513.1	3,618.6	3,645.6
RDT&E APPROPRIATIONS	3,271.5	3,572.8	3,873.6	3,271.5	3,375.7	3,405.5
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	241.5	242.9	240.1	241.5	242.9	240.1
DEFENSE AGENCIES	476.5	606.1	680.7	536.2	607.8	668.0
RDT&E APPROPRIATIONS	470.1	598.7	673.5	529.8	600.4	660.8
PAY AND ALLOWANCES OF MILITARY PERSONNEL IN R&D	6.5	7.4	7.3	6.5	7.4	7.3
DEPARTMENTWIDE FUNDS	1.7	1.7	1.0	3.0	2.0	1.0
DIRECTOR OF TEST AND EVALUATION, DEFENSE	23.9	27.9	29.9	26.8	25.7	26.3
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	2,375.2	2,602.6	2,537.9	2,092.4	2,381.6	2,520.6
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	139.4	142.6	127.8	114.1	134.5	129.4
CENTER FOR DISEASE CONTROL	42.6	50.7	52.9	44.6	48.9	40.1
FOOD AND DRUG ADMINISTRATION	35.9	36.9	38.0	27.6	28.6	29.7
HEALTH RESOURCES ADMINISTRATION	43.3	34.9	34.9	59.6	34.7	29.9
HEALTH SERVICES ADMINISTRATION	17.3	15.9	13.2	9.9	17.0	1.9
NATIONAL INSTITUTE OF EDUCATION	69.9	70.0	90.0	82.8	70.0	88.0
NATIONAL INSTITUTES OF HEALTH	1,845.5	2,029.5	1,950.3	1,602.8	1,855.7	1,972.3
OFFICE OF EDUCATION	45.9	78.5	88.8	53.1	56.3	77.7
OFFICE OF HUMAN DEVELOPMENT	64.3	70.3	62.0	47.2	60.2	63.4
OFFICE OF THE ASSISTANT SECRETARY FOR EDUCATION	12.6	13.1	13.1	10.6	11.5	11.1
OFFICE OF THE SECRETARY	26.2	25.0	33.6	8.7	32.5	29.6
SOCIAL AND REHABILITATION SERVICE	9.6	9.2	9.2	10.1	9.2	9.2
SOCIAL SECURITY ADMINISTRATION	22.6	25.9	27.0	21.3	22.5	25.2
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	62.0	68.1	77.7	58.7	63.3	73.8
DEPARTMENT OF THE INTERIOR, TOTAL	280.8	330.0	312.9	242.2	306.0	307.6
BONNEVILLE POWER ADMINISTRATION	6.0	8.6	3.9	3.7	10.2	4.7
BUREAU OF LAND MANAGEMENT	.8	.8	1.0	.5	.8	1.0
BUREAU OF MINES	101.6	139.0	129.2	76.7	118.4	129.1
BUREAU OF OUTDOOR RECREATION	*	*	*	*	*	*
BUREAU OF RECLAMATION	7.8	8.6	8.0	8.0	9.0	8.2
GEOLOGICAL SURVEY	114.5	118.4	114.8	101.9	117.2	114.8
NATIONAL PARK SERVICE	8.4	9.3	9.6	6.4	9.3	9.6
OFFICE OF THE SECRETARY	1.7	2.5	1.7	1.1	1.8	1.5
OFFICE OF WATER RESEARCH AND TECHNOLOGY	19.5	20.9	22.3	23.0	19.0	18.2
UNITED STATES FISH AND WILDLIFE SERVICE	20.6	21.9	22.4	19.0	20.1	20.6
DEPARTMENT OF JUSTICE, TOTAL	44.3	61.8	42.5	43.8	49.8	42.9
BUREAU OF PRISONS	.6	.9	1.9	.6	.9	1.8
DRUG ENFORCEMENT ADMINISTRATION	1.5	5.6	4.3	3.4	4.7	3.6
FEDERAL BUREAU OF INVESTIGATION	1.2	1.2	1.4	.6	1.0	.6
IMMIGRATION AND NATURALIZATION SERVICE	.1	.3	.4	.1	.3	.4
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	40.9	53.7	34.5	39.2	43.0	36.6

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TABLE C-3. FEDERAL FUNDS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977
DEPARTMENT OF LABOR, TOTAL	25.4	30.1	34.2	25.4	30.1	34.2
BUREAU OF LABOR STATISTICS	1.8	1.4	1.7	1.8	1.4	1.7
EMPLOYMENT AND TRAINING ADMINISTRATION	15.5	15.8	15.8	15.5	15.8	15.8
EMPLOYMENT STANDARDS ADMINISTRATION	3.2	5.4	5.5	3.2	5.4	5.5
LABOR-MANAGEMENT SERVICES ADMINISTRATION	.8	2.8	2.8	.8	2.8	2.8
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	2.0	2.3	6.3	2.0	2.3	6.3
OFFICE OF THE SECRETARY	2.0	2.4	2.2	2.0	2.4	2.2
DEPARTMENT OF STATE, TOTAL	27.9	31.5	33.4	28.4	24.9	26.6
DEPARTMENTAL FUNDS	1.2	1.5	1.5	1.2	1.5	1.5
AGENCY FOR INTERNATIONAL DEVELOPMENT	26.7	30.0	31.9	27.1	23.4	25.0
DEPARTMENT OF TRANSPORTATION, TOTAL	311.6	372.3	351.8	324.5	367.2	333.9
FEDERAL AVIATION ADMINISTRATION	105.6	101.3	109.2	110.9	114.0	107.5
FEDERAL HIGHWAY ADMINISTRATION	44.7	47.0	40.8	26.4	54.3	42.0
FEDERAL RAILROAD ADMINISTRATION	32.4	68.6	42.8	42.0	46.2	33.8
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	34.0	49.2	42.5	36.2	46.6	40.8
OFFICE OF THE SECRETARY	31.3	33.7	29.9	34.5	34.1	29.1
UNITED STATES COAST GUARD	15.9	17.9	18.3	15.5	17.9	17.0
URBAN MASS TRANSPORTATION ADMINISTRATION	47.7	54.7	68.3	59.1	54.1	62.9
DEPARTMENT OF THE TREASURY, TOTAL	1.7	1.8	1.6	1.7	1.8	1.6
BUREAU OF ENGRAVING AND PRINTING	1.7	1.8	1.6	1.7	1.8	1.6
OTHER AGENCIES						
ACTION	.2	.4	.1	*	.5	*
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	1.2	1.3	1.4	1.1	1.4	1.4
CIVIL AERONAUTICS BOARD	.4	.5	.5	.4	.5	.5
CIVIL SERVICE COMMISSION	4.4	4.7	3.9	4.4	4.7	3.9
COMMUNITY SERVICES ADMINISTRATION	48.0	39.0	39.0	49.4	39.0	39.0
CONSUMER PRODUCT SAFETY COMMISSION	6.0	5.8	5.6	6.0	5.8	5.6
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	2,072.3	2,804.0	3,279.8	1,860.3	2,396.8	3,025.6
ENVIRONMENTAL PROTECTION AGENCY	257.7	311.7	246.5	207.2	323.7	298.3
FEDERAL COMMUNICATIONS COMMISSION	1.1	2.0	1.6	.8	1.9	1.6
FEDERAL ENERGY ADMINISTRATION	1.3	3.0	6.1	1.0	3.3	5.6
FEDERAL HOME LOAN BANK BOARD	.7	.8	.8	.7	.8	.8
FEDERAL TRADE COMMISSION	.9	1.2	1.3	.9	1.2	1.3
GENERAL SERVICES ADMINISTRATION	1.8	1.2	2.8	1.7	1.4	2.8
LIBRARY OF CONGRESS	2.6	3.0	3.6	2.5	3.0	3.4
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,064.4	3,448.0	3,546.6	3,181.2	3,402.4	3,550.3
NATIONAL SCIENCE FOUNDATION	595.0	623.1	717.5	571.3	602.4	646.8
NUCLEAR REGULATORY COMMISSION	64.2	101.0	114.4	82.4	87.9	99.5
OFFICE OF TELECOMMUNICATIONS POLICY	4.1	3.1	2.7	4.1	3.1	2.7
SMALL BUSINESS ADMINISTRATION	.2	.6	.6	.2	.6	.6
SMITHSONIAN INSTITUTION	24.8	27.2	33.4	24.2	28.7	31.2
SPECIAL ACTION OFFICE FOR DRUG ABUSE PREVENTION	3.8	*	*	14.9	9.2	*
TENNESSEE VALLEY AUTHORITY	16.6	19.6	22.0	16.5	19.6	22.0
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1.0	1.6	2.3	1.0	1.6	2.3
UNITED STATES INFORMATION AGENCY	.1	.1	.1	.1	.1	.1
VETERANS ADMINISTRATION	94.8	101.3	99.6	94.8	101.3	99.6

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-4. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES	15,044,260	2,145,834	2,783,376	12,115,050
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL	420,062	154,184	247,760	18,138
AGRICULTURAL RESEARCH SERVICE	217,124	91,192	112,905	13,027
COOPERATIVE STATE RESEARCH SERVICE	101,141	38,434	62,707	-
ECONOMIC RESEARCH SERVICE	21,307	3,196	18,111	-
FARMER COOPERATIVE SERVICE	1,156	-	1,156	-
FOREST SERVICE	78,181	21,098	52,158	4,925
NATIONAL AGRICULTURAL LIBRARY	6	-	6	-
STATISTICAL REPORTING SERVICE	1,167	264	717	186
DEPARTMENT OF COMMERCE, TOTAL	215,382	20,065	124,355	70,962
BUREAU OF THE CENSUS	1,013	218	441	354
ECONOMIC DEVELOPMENT ADMINISTRATION	10,339	-	1,118	9,221
MARITIME ADMINISTRATION	22,852	1,706	4,031	17,115
NATIONAL BUREAU OF STANDARDS	43,156	5,353	29,394	8,409
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	3,598	700	20	2,878
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	128,017	11,956	87,757	28,304
OFFICE OF MINORITY BUSINESS ENTERPRISE	4,588	-	882	3,706
OFFICE OF TELECOMMUNICATIONS	1,319	132	462	725
PATENT AND TRADEMARK OFFICE	500	-	250	250
DEPARTMENT OF DEFENSE, TOTAL	9,012,472	235,515	1,557,553	7,219,404
DEPARTMENT OF THE ARMY	1,896,742	37,281	298,387	1,561,074
DEPARTMENT OF THE NAVY	3,100,165	88,117	214,613	2,797,435
DEPARTMENT OF THE AIR FORCE	3,513,495	79,385	742,983	2,691,127
DEFENSE AGENCIES	477,537	30,732	299,902	145,903
DEPARTMENTWIDE FUNDS	1,668	-	1,668	-
DIRECTOR OF TEST AND EVALUATION, DEFENSE	23,865	-	-	23,865
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	1,375,201	591,972	1,334,242	448,987
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	239,425	66,245	173,180	-
CENTER FOR DISEASE CONTROL	42,564	-	42,564	-
FOOD AND DRUG ADMINISTRATION	35,896	-	35,896	-
HEALTH RESOURCES ADMINISTRATION	43,326	-	16,703	26,623
HEALTH SERVICES ADMINISTRATION	17,321	1,218	9,409	6,694
NATIONAL INSTITUTE OF EDUCATION	69,868	1,894	2,174	65,800
NATIONAL INSTITUTES OF HEALTH	1,845,518	516,745	1,088,856	239,917
OFFICE OF EDUCATION	45,859	-	5,266	40,593
OFFICE OF HUMAN DEVELOPMENT	64,340	-	7,077	57,263
OFFICE OF THE ASSISTANT SECRETARY FOR EDUCATION	12,647	-	550	12,097
OFFICE OF THE SECRETARY	26,229	4,068	22,161	-
SOCIAL AND REHABILITATION SERVICE	9,648	-	9,648	-
SOCIAL SECURITY ADMINISTRATION	22,560	1,802	20,758	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	62,028	-	33,495	28,533
DEPARTMENT OF THE INTERIOR, TOTAL	280,810	109,906	107,626	63,278
BONNEVILLE POWER ADMINISTRATION	6,018	-	476	5,542
BUREAU OF LAND MANAGEMENT	764	-	745	19
BUREAU OF MINES	101,629	1,935	50,977	48,717
BUREAU OF OUTDOOR RECREATION	20	-	20	-
BUREAU OF RECLAMATION	7,774	44	7,274	456
GEOLOGICAL SURVEY	114,458	93,568	20,890	-
NATIONAL PARK SERVICE	8,377	628	7,749	-
OFFICE OF THE SECRETARY	1,693	-	1,270	423
OFFICE OF WATER RESEARCH AND TECHNOLOGY	19,465	3,855	11,566	4,044
UNITED STATES FISH AND WILDLIFE SERVICE	20,612	9,876	6,659	4,077
DEPARTMENT OF JUSTICE, TOTAL	44,330	9,465	9,430	25,435
BUREAU OF PRISONS	635	-	-	635
DRUG ENFORCEMENT ADMINISTRATION	1,514	-	924	590
FEDERAL BUREAU OF INVESTIGATION	1,197	-	-	1,197
IMMIGRATION AND NATURALIZATION SERVICE	59	-	49	10
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	40,925	9,465	8,457	23,003
DEPARTMENT OF LABOR, TOTAL	25,376	877	14,401	10,098
BUREAU OF LABOR STATISTICS	1,830	-	733	1,097
EMPLOYMENT AND TRAINING ADMINISTRATION	15,476	543	6,586	8,347
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	-	3,240	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	814	334	480	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	2,028	-	1,374	654
OFFICE OF THE SECRETARY	1,988	-	1,988	-
DEPARTMENT OF STATE, TOTAL	27,890	1,500	20,958	5,432
DEPARTMENTAL FUNDS	1,237	-	743	494
AGENCY FOR INTERNATIONAL DEVELOPMENT	26,653	1,500	20,215	4,938
DEPARTMENT OF TRANSPORTATION, TOTAL	311,563	75	53,769	257,719
FEDERAL AVIATION ADMINISTRATION	105,578	-	14,123	91,455
FEDERAL HIGHWAY ADMINISTRATION	44,701	-	3,386	41,315
FEDERAL RAILROAD ADMINISTRATION	32,401	-	2,689	29,712
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	34,018	-	12,048	21,970
OFFICE OF THE SECRETARY	31,321	-	14,411	16,910
UNITED STATES COAST GUARD	15,882	75	4,213	11,594
URBAN MASS TRANSPORTATION ADMINISTRATION	47,662	-	2,899	44,763
DEPARTMENT OF THE TREASURY, TOTAL	1,665	-	400	1,265
BUREAU OF ENGRAVING AND PRINTING	1,665	-	400	1,265

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TABLE C-4. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
OTHER AGENCIES				
ACTION	167	115	52	-
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	1,238	-	1,238	-
CIVIL AERONAUTICS BOARD	417	-	417	-
CIVIL SERVICE COMMISSION	4,392	559	972	2,861
COMMUNITY SERVICES ADMINISTRATION	47,953	-	237	47,716
CONSUMER PRODUCT SAFETY COMMISSION	5,994	-	3,042	2,952
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	2,072,252	247,016	346,415	1,478,821
ENVIRONMENTAL PROTECTION AGENCY	257,657	17,400	124,311	115,946
FEDERAL COMMUNICATIONS COMMISSION	1,132	-	1,132	-
FEDERAL ENERGY ADMINISTRATION	1,301	-	238	1,063
FEDERAL HOME LOAN BANK BOARD	663	-	663	-
FEDERAL TRADE COMMISSION	934	-	934	-
GENERAL SERVICES ADMINISTRATION	1,828	284	622	922
LIBRARY OF CONGRESS	2,575	-	388	2,187
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,064,413	241,891	545,409	2,277,113
NATIONAL SCIENCE FOUNDATION	595,021	485,989	84,026	25,006
NUCLEAR REGULATORY COMMISSION	64,155	-	64,155	-
OFFICE OF TELECOMMUNICATIONS POLICY	4,147	356	2,126	1,665
SMALL BUSINESS ADMINISTRATION	172	-	172	-
SMITHSONIAN INSTITUTION	24,785	24,785	-	-
SPECIAL ACTION OFFICE FOR DRUG ABUSE PREVENTION	3,802	-	3,802	-
TENNESSEE VALLEY AUTHORITY	16,567	-	14,707	1,860
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1,005	-	985	20
UNITED STATES INFORMATION AGENCY	84	-	84	-
VETERANS ADMINISTRATION	94,807	3,880	83,260	7,667

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-5. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES	21,024,690	2,345,120	5,223,181	14,056,389
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL	478,419	176,509	281,017	20,893
AGRICULTURAL RESEARCH SERVICE	254,797	107,015	132,494	15,288
COOPERATIVE STATE RESEARCH SERVICE	114,245	43,413	70,832	-
ECONOMIC RESEARCH SERVICE	24,708	3,706	21,002	-
FARMER COOPERATIVE SERVICE	1,254	-	1,254	-
FOREST SERVICE	81,388	21,918	54,187	5,283
NATIONAL AGRICULTURAL LIBRARY	11	-	11	-
STATISTICAL REPORTING SERVICE	2,016	457	1,237	322
DEPARTMENT OF COMMERCE, TOTAL	238,821	15,091	140,269	79,511
BUREAU OF THE CENSUS	1,174	205	558	411
ECONOMIC DEVELOPMENT ADMINISTRATION	15,000	-	2,000	13,000
MARITIME ADMINISTRATION	21,410	1,636	3,748	16,062
NATIONAL BUREAU OF STANDARDS	49,037	5,987	32,628	11,022
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	6,366	715	563	5,110
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	141,081	10,405	99,359	31,417
OFFICE OF MINORITY BUSINESS ENTERPRISE	1,883	-	362	1,521
OFFICE OF TELECOMMUNICATIONS	1,226	123	343	760
PATENT AND TRADEMARK OFFICE	416	-	208	208
DEPARTMENT OF DEFENSE, TOTAL	9,904,990	254,898	1,593,480	8,056,612
DEPARTMENT OF THE ARMY	2,067,280	39,615	299,410	1,728,255
DEPARTMENT OF THE NAVY	3,386,244	98,867	288,600	3,000,777
DEPARTMENT OF THE AIR FORCE	3,815,750	83,926	746,774	2,985,050
DEFENSE AGENCIES	636,110	34,490	328,990	242,630
DEPARTMENTWIDE FUNDS	1,706	-	1,706	-
DIRECTOR OF TEST AND EVALUATION, DEFENSE	27,900	-	-	27,900
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	2,002,600	670,356	1,458,290	473,950
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	142,634	67,896	74,738	-
CENTER FOR DISEASE CONTROL	50,676	-	50,676	-
FOOD AND DRUG ADMINISTRATION	36,856	-	36,856	-
HEALTH RESOURCES ADMINISTRATION	34,897	-	16,742	18,155
HEALTH SERVICES ADMINISTRATION	15,925	788	7,985	7,150
NATIONAL INSTITUTE OF EDUCATION	70,000	5,121	5,296	59,583
NATIONAL INSTITUTES OF HEALTH	2,029,549	588,569	1,197,404	243,576
OFFICE OF EDUCATION	78,548	-	7,733	70,815
OFFICE OF HUMAN DEVELOPMENT	70,338	-	7,737	62,601
OFFICE OF THE ASSISTANT SECRETARY FOR EDUCATION	13,137	-	1,037	12,100
OFFICE OF THE SECRETARY	24,950	5,401	19,349	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	45,898	22,991	23,507	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	68,143	-	37,478	30,665
DEPARTMENT OF THE INTERIOR, TOTAL	329,998	113,079	138,728	78,191
BONNEVILLE POWER ADMINISTRATION	8,629	-	513	8,116
BUREAU OF LAND MANAGEMENT	758	-	739	19
BUREAU OF MINES	138,970	900	79,000	59,070
BUREAU OF OUTDOOR RECREATION	20	-	20	-
BUREAU OF RECLAMATION	8,558	59	8,144	355
GEOLOGICAL SURVEY	148,420	97,201	21,119	-
NATIONAL PARK SERVICE	5,306	534	8,772	-
OFFICE OF THE SECRETARY	2,333	-	1,900	633
OFFICE OF WATER RESEARCH AND TECHNOLOGY	20,909	3,811	11,433	5,665
UNITED STATES FISH AND WILDLIFE SERVICE	21,895	10,474	7,088	4,333
DEPARTMENT OF JUSTICE, TOTAL	61,815	8,362	23,253	30,200
BUREAU OF PRISONS	942	-	-	942
DRUG ENFORCEMENT ADMINISTRATION	5,629	-	2,195	3,434
FEDERAL BUREAU OF INVESTIGATION	1,245	-	-	1,245
IMMIGRATION AND NATURALIZATION SERVICE	330	-	280	50
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	53,669	8,362	20,778	24,529
DEPARTMENT OF LABOR, TOTAL	30,137	1,077	18,513	9,947
BUREAU OF LABOR STATISTICS	1,929	-	620	809
EMPLOYMENT AND TRAINING ADMINISTRATION	15,809	953	6,114	9,142
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	-	5,433	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	2,790	1,124	1,666	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	2,300	-	2,300	-
OFFICE OF THE SECRETARY	2,380	-	2,380	-
DEPARTMENT OF STATE, TOTAL	31,480	1,700	20,968	8,812
DEPARTMENTAL FUNDS	1,513	-	1,013	500
AGENCY FOR INTERNATIONAL DEVELOPMENT	29,967	1,700	19,955	8,312
DEPARTMENT OF TRANSPORTATION, TOTAL	372,305	75	54,810	317,420
FEDERAL AVIATION ADMINISTRATION	101,205	-	13,603	87,602
FEDERAL HIGHWAY ADMINISTRATION	46,997	-	1,777	45,220
FEDERAL RAILROAD ADMINISTRATION	68,563	-	10,852	57,711
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	49,185	-	13,875	35,308
OFFICE OF THE SECRETARY	33,679	-	4,719	28,960
UNITED STATES COAST GUARD	17,948	75	4,769	13,104
URBAN MASS TRANSPORTATION ADMINISTRATION	54,670	-	5,185	49,485
DEPARTMENT OF THE TREASURY, TOTAL	1,813	-	424	1,389
BUREAU OF ENGRAVING AND PRINTING	1,813	-	424	1,389

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TABLE C-5. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
OTHER AGENCIES				
ACTION	437	380	15	42
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	1,261	-	1,261	-
CIVIL AERONAUTICS BOARD	456	-	456	-
CIVIL SERVICE COMMISSION	4,729	578	1,003	3,148
COMMUNITY SERVICES ADMINISTRATION	39,000	-	-	[illegible],000
CONSUMER PRODUCT SAFETY COMMISSION	5,790	-	2,414	[illegible],376
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	2,804,000	274,339	421,810	2,107,851
ENVIRONMENTAL PROTECTION AGENCY	311,717	19,100	158,365	134,252
FEDERAL COMMUNICATIONS COMMISSION	1,990	-	1,990	-
FEDERAL ENERGY ADMINISTRATION	2,997	-	1,048	1,949
FEDERAL HOME LOAN BANK BOARD	782	-	782	-
FEDERAL TRADE COMMISSION	1,200	-	1,200	-
GENERAL SERVICES ADMINISTRATION	1,139	60	177	962
LIBRARY OF CONGRESS	3,022	-	411	[illegible],611
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,448,013	243,602	577,027	2,627,384
NATIONAL SCIENCE FOUNDATION	622,087	529,737	76,543	16,787
NUCLEAR REGULATORY COMMISSION	101,090	-	101,090	-
OFFICE OF TELECOMMUNICATIONS POLICY	3,082	226	1,599	1,257
SMALL BUSINESS ADMINISTRATION	550	-	550	-
SMITHSONIAN INSTITUTION	27,241	27,241	-	-
TENNESSEE VALLEY AUTHORITY	19,597	-	17,557	2,040
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1,600	-	1,355	245
UNITED STATES INFORMATION AGENCY	107	-	101	6
VETERANS ADMINISTRATION	101,286	4,150	87,247	9,889

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-6. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES	23,98.,503	2,519,479	5,331,194	15,636,890
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL	502,846	185,667	295,189	21,990
AGRICULTURAL RESEARCH SERVICE	266,304	111,932	138,582	15,990
COOPERATIVE STATE RESEARCH SERVICE	122,493	48,471	73,822	-
ECONOMIC RESEARCH SERVICE	25,042	3,756	21,286	-
FARMER COOPERATIVE SERVICE	1,272	-	1,272	-
FOREST SERVICE	85,691	23,045	56,972	5,674
STATISTICAL REPORTING SERVICE	2,044	463	1,255	326
DEPARTMENT OF COMMERCE, TOTAL	255,394	20,252	145,156	89,988
BUREAU OF THE CENSUS	1,342	220	652	470
ECONOMIC DEVELOPMENT ADMINISTRATION	6,400	-	650	5,750
MARITIME ADMINISTRATION	19,643	473	3,438	14,732
NATIONAL BUREAU OF STANDARDS	50,142	6,1.3	33,643	10,326
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	6,135	698	579	4,908
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	148,002	11,597	105,208	31,197
OFFICE OF MINORITY BUSINESS ENTERPRISE	1,893	-	365	1,528
OFFICE OF TELECOMMUNICATIONS	1,914	191	910	863
PATENT AND TRADEMARK OFFICE	425	-	211	214
DEPARTMENT OF DEFENSE, TOTAL	11,225,230	291,633	1,719,676	9,213,921
DEPARTMENT OF THE ARMY	2,425,350	45,045	346,205	2,034,100
DEPARTMENT OF THE NAVY	3,974,521	115,693	244,505	3,614,323
DEPARTMENT OF THE AIR FORCE	4,113,713	92,800	749,200	3,271,713
DEFENSE AGENCIES	680,746	38,095	378,766	263,885
DEPARTMENTWIDE FUNDS	1,000	-	1,000	-
DIRECTOR OF TEST AND EVALUATION, DEFENSE	29,900	-	-	29,900
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	2,537,868	670,876	1,392,099	474,893
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	127,825	64,628	63,197	-
CENTER FOR DISEASE CONTROL	52,909	-	52,909	-
FOOD AND DRUG ADMINISTRATION	37,989	-	37,989	-
HEALTH RESOURCES ADMINISTRATION	34,939	-	14,883	20,056
HEALTH SERVICES ADMINISTRATION	13,189	2,259	8,267	2,663
NATIONAL INSTITUTE OF EDUCATION	90,000	9,443	14,899	67,658
NATIONAL INSTITUTES OF HEALTH	1,950,276	585,083	1,131,160	234,033
OFFICE OF EDUCATION	88,838	-	5,678	83,160
OFFICE OF HUMAN DEVELOPMENT	67,948	-	6,825	59,223
OFFICE OF THE ASSISTANT SECRETARY FOR EDUCATION	13,137	-	1,037	12,100
OFFICE OF THE SECRETARY	30,560	7,140	23,440	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	26,958	2,343	24,615	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	77,740	-	41,200	36,540
DEPARTMENT OF THE INTERIOR, TOTAL	312,938	106,092	132,181	72,685
BONNEVILLE POWER ADMINISTRATION	3,934	-	30	3,904
BUREAU OF LAND MANAGEMENT	1,000	-	980	20
BUREAU OF MINES	149,227	700	71,475	57,062
BUREAU OF OUTDOOR RECREATION	20	-	20	-
BUREAU OF RECLAMATION	8,010	64	7,563	383
GEOLOGICAL SURVEY	114,790	92,110	22,680	-
NATIONAL PARK SERVICE	9,601	550	9,051	-
OFFICE OF THE SECRETARY	1,651	-	1,236	415
OFFICE OF WATER RESEARCH AND TECHNOLOGY	22,173	3,950	11,850	6,473
UNITED STATES FISH AND WILDLIFE SERVICE	22,922	10,718	7,276	4,928
DEPARTMENT OF JUSTICE, TOTAL	42,520	8,680	15,099	18,741
BUREAU OF PRISONS	1,920	-	183	1,743
DRUG ENFORCEMENT ADMINISTRATION	4,265	-	1,493	2,772
FEDERAL BUREAU OF INVESTIGATION	1,400	-	-	1,400
IMMIGRATION AND NATURALIZATION SERVICE	400	-	200	200
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	34,529	8,680	13,223	12,626
DEPARTMENT OF LABOR, TOTAL	34,213	1,677	21,305	11,231
BUREAU OF LABOR STATISTICS	1,698	-	744	955
EMPLOYMENT AND TRAINING ADMINISTRATION	15,808	533	4,979	10,276
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	-	5,450	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	2,757	1,124	1,633	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	6,300	-	6,300	-
OFFICE OF THE SECRETARY	2,200	-	2,200	-
DEPARTMENT OF STATE, TOTAL	33,393	1,700	22,380	9,313
DEPARTMENTAL FUNDS	1,514	-	1,314	200
AGENCY FOR INTERNATIONAL DEVELOPMENT	31,879	1,700	21,366	8,813
DEPARTMENT OF TRANSPORTATION, TOTAL	351,763	75	56,240	295,448
FEDERAL AVIATION ADMINISTRATION	109,190	-	15,170	94,020
FEDERAL HIGHWAY ADMINISTRATION	40,750	-	1,528	39,222
FEDERAL RAILROAD ADMINISTRATION	42,800	-	8,992	20,258
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	42,488	-	14,650	27,838
OFFICE OF THE SECRETARY	29,900	-	6,190	23,710
UNITED STATES COAST GUARD	18,533	75	3,692	14,766
URBAN MASS TRANSPORTATION ADMINISTRATION	68,296	-	10,068	57,628
DEPARTMENT OF THE TREASURY, TOTAL	1,806	-	653	1,153
BUREAU OF ENGRAVING AND PRINTING	1,606	-	453	1,153

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TABLE C 6. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
OTHER AGENCIES				
ACTION	50	50	-	-
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	1,402	-	1,402	-
CIVIL AERONAUTICS BOARD	483	-	483	-
CIVIL SERVICE COMMISSION	1,870	537	933	2,400
COMMUNITY SERVICES ADMINISTRATION	39,000	-	-	39,000
CONSUMER PRODUCT SAFETY COMMISSION	5,600	-	1,900	3,700
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	3,279,815	289,234	459,914	2,530,667
ENVIRONMENTAL PROTECTION AGENCY	246,488	17,000	123,488	106,000
FEDERAL COMMUNICATIONS COMMISSION	1,584	-	1,584	-
FEDERAL ENERGY ADMINISTRATION	6,075	-	-	6,075
FEDERAL HOME LOAN BANK BOARD	829	-	829	-
FEDERAL TRADE COMMISSION	1,270	-	1,270	-
GENERAL SERVICES ADMINISTRATION	2,782	85	75	2,622
LIBRARY OF CONGRESS	3,611	-	479	3,132
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,546,639	255,697	603,278	2,687,664
NATIONAL SCIENCE FOUNDATION	717,543	630,531	72,072	14,940
NUCLEAR REGULATORY COMMISSION	114,390	-	114,390	-
OFFICE OF TELECOMMUNICATIONS POLICY	2,680	200	1,415	1,065
SMALL BUSINESS ADMINISTRATION	550	-	550	-
SMITHSONIAN INSTITUTION	33,413	33,413	-	-
TENNESSEE VALLEY AUTHORITY	21,951	-	19,581	2,370
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	2,300	-	1,680	620
UNITED STATES INFORMATION AGENCY	130	-	110	20
VETERANS ADMINISTRATION	99,598	4,380	84,803	10,715

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-7. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	19,044.3	5,394.9	8,385.3	728.6	2,402.7	935.1	717.8	219.9	198.3	61.6
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	420.1	302.5	1.6	-	108.2	-	.2	.1	.5	7.0
AGRICULTURAL RESEARCH SERVICE	217.1	205.0	.5	-	4.5	-	.2	-	*	7.0
COOPERATIVE STATE RESEARCH SERVICE	101.1	3.2	-	-	97.6	-	-	-	.4	-
ECONOMIC RESEARCH SERVICE	21.3	20.9	-	-	.4	-	-	-	-	-
FARMER COOPERATIVE SERVICE	1.2	1.0	-	-	.1	-	-	-	-	-
FOREST SERVICE	78.2	71.3	1.1	-	5.6	-	-	.1	*	-
NATIONAL AGRICULTURAL LIBRARY	*	*	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	1.2	1.1	-	-	.1	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	215.4	139.0	33.8	-	21.6	.1	8.8	*	11.7	.4
BUREAU OF THE CENSUS	1.0	.9	-	-	.1	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	10.3	.5	.5	-	.5	-	9.7	-	4.1	-
MARITIME ADMINISTRATION	22.9	2.6	18.7	-	1	-	.8	-	.3	-
NATIONAL BUREAU OF STANDARDS	43.2	41.8	.4	-	.7	-	.2	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	3.6	2.8	-	-	.8	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	128.0	88.0	13.5	-	18.8	.1	.5	*	6.6	.4
OFFICE OF MINORITY BUSINESS ENTERP	4.6	.6	.6	-	.1	-	2.5	-	.8	-
OFFICE OF TELECOMMUNICATIONS	1.3	1.3	-	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	.5	.5	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,012.5	2,769.0	5,606.8	1.4	200.4	161.5	115.5	146.7	*	11.1
DEPARTMENT OF THE ARMY	1,896.7	733.4	1,092.6	.1	31.5	20.9	14.6	1.6	*	2.0
DEPARTMENT OF THE NAVY	3,100.2	958.7	1,931.3	-	58.0	82.3	59.5	3.8	-	6.6
DEPARTMENT OF THE AIR FORCE	3,513.5	917.8	2,357.6	-	77.3	26.3	16.6	115.9	-	1.9
DEFENSE AGENCIES	476.5	140.1	221.6	1.2	33.4	32.3	24.4	23.2	-	.6
DEPARTMENTWIDE FUNDS	1.7	.3	.6	.1	.2	-	.4	.2	-	-
DIRECTOR OF TEST & EVALUATION, DEF	23.9	18.7	3.2	-	-	-	-	2.0	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,375.2	456.9	120.2	45.8	1,273.5	4.8	356.7	4.5	106.1	26.8
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	139.4	23.2	3.8	-	76.9	-	19.4	.1	14.8	1.3
CENTER FOR DISEASE CONTROL	42.6	27.9	3.6	-	4.6	-	5.1	-	*	1.3
FOOD AND DRUG ADMINISTRATION	35.5	23.1	2.5	-	8.4	-	1.1	-	.1	.7
HEALTH RESOURCES ADMINISTRATION	43.3	10.8	1.6	-	19.8	-	8.8	.2	.7	1.4
HEALTH SERVICES ADMINISTRATION	17.3	4.3	1.1	-	7.1	-	3.5	-	.4	.8
NATIONAL INSTITUTE OF EDUCATION	69.5	11.5	2.7	-	15.0	-	33.8	-	6.7	.1
NATIONAL INSTITUTES OF HEALTH	1,845.5	330.1	97.1	25.8	1,063.1	4.5	268.4	4.1	33.7	18.7
OFFICE OF EDUCATION	45.5	.1	1.8	-	10.6	.3	4.7	.1	28.2	-
OFFICE OF HUMAN DEVELOPMENT	84.3	3.5	2.8	-	52.5	-	1.3	-	1.8	2.4
OFFICE OF ASS'T SECTY FOR EDUCATION	12.6	.7	.1	-	7.9	-	3.4	-	.6	-
OFFICE OF THE SECRETARY	26.2	2.6	.5	-	3.1	-	5.9	-	14.2	-
SOCIAL AND REHABILITATION SERVICE	9.6	.5	1.4	-	1.7	-	1.2	-	4.8	-
SOCIAL SECURITY ADMINISTRATION	22.6	18.5	1.2	-	2.7	-	-	-	.1	-
DEPT OF HOUSING & URBAN DEVELOPMENT	62.0	19.4	18.8	.5	2.7	-	9.0	5.2	6.5	-
DEPARTMENT OF THE INTERIOR, TOTAL	280.8	184.6	63.8	-	28.7	.2	.3	.2	1.4	1.6
BONNEVILLE POWER ADMINISTRATION	6.0	2.2	2.7	-	.1	-	-	*	-	1.0
BUREAU OF LAND MANAGEMENT	.8	.3	-	-	.4	-	-	-	*	-
BUREAU OF MINES	101.6	44.0	49.5	-	7.4	.2	-	.2	.1	.2
BUREAU OF OUTDOOR RECREATION	*	*	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	7.8	4.6	1.4	-	1.4	-	-	-	.4	-
GEOLOGICAL SURVEY	114.5	108.3	1.9	-	4.0	*	-	-	.1	.2
NATIONAL PARK SERVICE	8.4	3.5	.4	-	4.1	-	.3	-	.1	-
OFFICE OF THE SECRETARY	1.7	.3	.5	-	.5	-	-	-	.3	.1
OFFICE OF WATER RES AND TECHNOLOGY	19.5	2.3	6.5	-	10.1	-	-	-	.1	-
US FISH AND WILDLIFE SERVICE	20.6	19.0	.5	-	.7	-	-	-	.4	-
DEPARTMENT OF JUSTICE, TOTAL	44.3	5.5	1.7	-	8.9	-	23.2	2.4	2.6	.1
BUREAU OF PRISONS	.8	.5	.1	-	*	-	.1	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	1.5	.2	.5	-	.4	-	-	.4	-	-
FEDERAL BUREAU OF INVESTIGATION	1.2	.2	1.0	-	-	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	.1	*	.1	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	40.9	4.7	-	-	8.4	-	23.1	2.0	2.6	.1
DEPARTMENT OF LABOR, TOTAL	25.4	8.8	4.8	-	5.5	.6	4.4	*	1.2	-
BUREAU OF LABOR STATISTICS	1.8	1.8	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	15.5	2.5	2.6	-	4.8	.3	4.0	-	1.2	-
EMPLOYMENT STANDARDS ADMINISTRATION	3.2	3.2	-	-	-	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	.8	.5	-	-	.4	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2.0	.4	1.8	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	2.0	.5	.5	-	.4	.3	.4	*	-	-
DEPARTMENT OF STATE, TOTAL	27.9	4.3	1.8	-	11.0	-	5.1	.3	.1	5.3
DEPARTMENTAL FUNDS	1.2	.3	.5	-	.2	-	.1	.1	.1	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	26.7	4.1	1.3	-	10.8	-	5.0	.2	-	5.3
DEPT OF TRANSPORTATION, TOTAL	311.6	58.0	161.9	-	25.8	2.6	5.3	10.3	46.5	1.0
FEDERAL AVIATION ADMINISTRATION	105.6	23.0	68.4	-	3.2	1.6	-	9.3	-	-
FEDERAL HIGHWAY ADMINISTRATION	44.7	.8	8.8	-	11.0	-	.7	-	23.4	-
FEDERAL RAILROAD ADMINISTRATION	32.4	9.8	18.8	-	.7	-	.5	1.0	.8	.8
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	34.0	1.7	15.5	-	2.0	-	2.6	-	12.2	-
OFFICE OF THE SECRETARY	31.3	11.1	10.4	-	6.0	.7	.8	-	2.1	.2
UNITED STATES COAST GUARD	15.9	3.3	11.1	-	.7	.3	.5	-	-	-
URBAN MASS TRANSPORTATION ADMIN	47.7	8.3	28.8	-	4.2	.1	1.3	-	8.0	-

CONTINUED ON NEXT PAGE

TABLE C-7. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL								
			UNITED STATES AND TERRITORIES								FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	1.7	1.6	*	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1.7	1.6	*	-	-	-	-	-	-	-	-
OTHER AGENCIES											
ACTION	.2	*	.1	-	*	-	*	-	-	-	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1.2	.2	-	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	.4	.4	-	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	4.4	2.8	-	-	-	-	-	-	1.6	-	-
COMMUNITY SERVICES ADMINISTRATION	48.0	1.0	-	-	-	-	46.9	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	6.0	3.4	.2	-	.6	-	1.3	-	.4	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,072.3	66.1	501.6	654.1	131.9	629.5	46.9	38.4	3.3	.6	
ENVIRONMENTAL PROTECTION AGENCY	257.7	141.5	51.9	-	33.9	-	13.4	1.6	14.2	1.2	
FEDERAL COMMUNICATIONS COMMISSION	1.1	.8	.3	-	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	1.3	.2	1.0	-	*	*	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	.7	.7	-	-	*	-	-	-	-	-	-
FEDERAL TRADE COMMISSION	.9	.9	-	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	1.8	.2	1.4	-	-	-	.3	-	-	-	-
LIBRARY OF CONGRESS	2.6	2.5	.1	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	3,089.4	1,042.7	1,791.8	*	108.0	89.3	28.1	1.6	.3	2.5	
NATIONAL SCIENCE FOUNDATION	595.0	49.5	17.7	4.2	434.9	40.1	41.6	3.4	1.9	3.7	
NUCLEAR REGULATORY COMMISSION	64.2	4.2	2.5	44.4	.7	6.4	1.0	4.6	-	.3	
OFFICE OF TELECOMMUNICATIONS POLICY	4.1	3.3	.6	-	*	-	-	.2	*	-	
SMALL BUSINESS ADMINISTRATION	.2	*	.2	-	-	-	-	-	-	-	
SMITHSONIAN INSTITUTION	24.6	23.2	-	-	1.4	-	.2	-	-	-	
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3.6	.1	-	-	3.7	-	-	-	-	-	
TENNESSEE VALLEY AUTHORITY	16.6	7.8	-	-	.1	-	8.7	-	-	-	
US ARMS CONTROL & DISARMAMENT AGENCY	1.0	.2	.3	.1	-	-	.1	.4	-	-	
UNITED STATES INFORMATION AGENCY	.1	.1	-	-	-	-	-	-	-	-	
VETERANS ADMINISTRATION	94.8	92.5	.3	-	1.1	-	.9	-	-	*	

* INDICATES AMOUNT LESS THAN $50,000.

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-8. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER (NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	21,624.7	5,923.4	9,917.0	859.3	2,568.7	1,064.9	743.0	230.1	234.8	83.4
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	478.4	347.0	1.2	-	121.6	-	-	.1	.5	8.1
AGRICULTURAL RESEARCH SERVICE	254.8	241.5	-	-	5.2	-	-	-	-	8.1
COOPERATIVE STATE RESEARCH SERVICE	114.2	3.9	-	-	109.9	-	-	-	.4	-
ECONOMIC RESEARCH SERVICE	24.7	24.2	-	-	.5	-	-	-	-	-
FARMER COOPERATIVE SERVICE	1.3	1.2	-	-	*	-	-	-	-	-
FOREST SERVICE	81.4	74.3	1.2	-	5.8	-	-	.1	*	-
NATIONAL AGRICULTURAL LIBRARY	*	*	-	-	*	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2.0	1.9	-	-	.1	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	238.8	160.0	31.1	-	23.4	1.7	9.3	-	13.3	.1
BUREAU OF THE CENSUS	1.2	1.0	-	-	.2	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	15.0	.7	.8	-	1.7	-	5.9	-	5.9	-
MARITIME ADMINISTRATION	21.4	.9	20.2	-	.3	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	49.6	48.7	.3	-	.5	-	.1	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	6.4	4.9	-	-	1.5	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	141.7	101.8	9.7	-	19.2	1.7	1.8	-	7.4	.1
OFFICE OF MINORITY BUSINESS ENTERP	1.9	.3	.1	-	-	-	1.5	-	-	-
OFFICE OF TELECOMMUNICATIONS	1.2	1.2	-	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	.4	.4	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,905.0	2,945.1	6,318.2	.8	208.1	158.6	114.1	149.1	*	11.0
DEPARTMENT OF THE ARMY	2,067.3	798.3	1,191.3	.2	34.0	22.4	15.4	2.5	*	3.1
DEPARTMENT OF THE NAVY	3,386.2	1,103.5	2,175.1	-	59.6	82.2	55.9	4.4	-	5.6
DEPARTMENT OF THE AIR FORCE	3,815.8	927.2	2,649.2	-	78.3	27.2	17.5	114.7	-	1.6
DEFENSE AGENCIES	606.1	191.9	300.7	.5	36.0	26.8	24.9	25.2	-	.7
DEPARTMENTWIDE FUNDS	1.7	.3	.6	.1	.2	-	.4	.2	-	-
DIRECTOR OF TEST & EVALUATION, DEF	27.0	24.4	1.4	-	-	-	-	2.1	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,602.6	494.1	139.2	28.4	1,381.7	5.2	381.9	4.8	130.5	36.8
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	142.6	24.9	3.4	-	79.6	-	17.9	-	15.2	1.6
CENTER FOR DISEASE CONTROL	50.7	28.0	4.5	-	4.7	-	6.9	-	.1	6.6
FOOD AND DRUG ADMINISTRATION	36.5	23.2	3.2	-	8.7	-	1.3	-	.2	.9
HEALTH RESOURCES ADMINISTRATION	34.9	9.9	5.5	-	10.7	-	6.3	.2	2.0	.4
HEALTH SERVICES ADMINISTRATION	15.9	4.6	1.5	-	2.9	-	3.0	-	.4	.3
NATIONAL INSTITUTE OF EDUCATION	70.0	11.2	4.1	-	18.7	-	27.4	-	8.4	.2
NATIONAL INSTITUTES OF HEALTH	2,029.5	366.0	106.8	28.4	1,160.3	4.8	294.1	4.5	37.1	21.7
OFFICE OF EDUCATION	78.5	.3	2.6	-	15.8	.4	13.4	.2	45.8	-
OFFICE OF HUMAN DEVELOPMENT	70.3	3.7	2.6	-	55.3	-	1.4	-	2.4	5.1
OFFICE OF ASS'T SECTY FOR EDUCATION	13.1	.7	.1	-	8.6	-	3.2	-	.5	-
OFFICE OF THE SECRETARY	25.0	3.0	.4	-	3.7	-	5.4	-	12.4	-
SOCIAL AND REHABILITATION SERVICE	9.2	.6	2.7	-	2.2	-	1.7	-	1.9	-
SOCIAL SECURITY ADMINISTRATION	25.9	17.8	2.0	-	2.0	-	-	-	4.2	-
DEPT OF HOUSING & URBAN DEVELOPMENT	68.1	19.1	24.6	.5	2.7	-	8.3	6.2	6.8	-
DEPARTMENT OF THE INTERIOR, TOTAL	330.0	201.0	89.4	-	36.1	.3	.3	.3	.8	1.8
BONNEVILLE POWER ADMINISTRATION	8.6	2.4	6.1	-	.1	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	.8	.3	-	-	.4	-	-	-	-	-
BUREAU OF MINES	139.0	53.4	70.0	-	15.0	.3	-	.3	-	-
BUREAU OF OUTDOOR RECREATION	*	*	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	8.6	4.8	2.3	-	1.2	-	-	-	.4	-
GEOLOGICAL SURVEY	118.4	112.7	1.7	-	3.9	-	-	-	*	-
NATIONAL PARK SERVICE	9.3	3.9	.3	-	4.7	-	.3	-	.1	-
OFFICE OF THE SECRETARY	2.5	.3	.4	-	*	-	-	-	-	1.8
OFFICE OF WATER RES AND TECHNOLOGY	20.5	2.2	8.7	-	10.0	-	-	-	.1	-
US FISH AND WILDLIFE SERVICE	21.9	20.9	-	-	.7	-	-	-	.3	-
DEPARTMENT OF JUSTICE, TOTAL	61.8	8.5	3.2	-	13.9	-	21.4	12.5	2.3	-
BUREAU OF PRISONS	.9	.6	.2	-	*	-	.1	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	5.6	1.1	1.7	-	.4	-	1.6	.9	-	-
FEDERAL BUREAU OF INVESTIGATION	1.2	.2	1.0	-	-	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	.3	*	.3	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	53.7	6.6	-	-	13.5	-	19.7	11.6	2.3	-
DEPARTMENT OF LABOR, TOTAL	30.1	11.7	5.4	-	5.1	.4	6.2	*	1.3	*
BUREAU OF LABOR STATISTICS	1.4	1.4	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	15.8	3.1	2.4	-	3.0	.3	5.2	-	1.3	-
EMPLOYMENT STANDARDS ADMINISTRATION	5.4	5.4	-	-	-	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	.8	.7	.5	-	1.0	-	.5	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2.3	.3	2.0	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	2.4	.8	.4	-	.4	.1	.6	*	-	*
DEPARTMENT OF STATE, TOTAL	31.5	4.5	2.0	-	12.7	*	6.2	*	.7	5.4
DEPARTMENTAL FUNDS	1.5	.3	.4	-	.1	*	*	*	.7	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	30.0	4.2	1.6	-	12.6	-	6.2	-	-	5.4
DEPT OF TRANSPORTATION, TOTAL	372.3	74.3	200.5	-	23.3	3.0	7.8	10.9	52.4	.3
FEDERAL AVIATION ADMINISTRATION	101.3	22.4	66.7	-	1.5	1.6	-	9.1	-	-
FEDERAL HIGHWAY ADMINISTRATION	47.0	.6	9.7	-	11.4	-	.2	-	25.1	-
FEDERAL RAILROAD ADMINISTRATION	68.6	22.6	40.5	-	.9	-	.8	1.8	1.5	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	49.2	2.3	25.5	-	3.3	-	5.1	-	13.4	-
OFFICE OF THE SECRETARY	33.7	13.5	13.0	-	3.8	1.1	.7	-	1.2	.3
UNITED STATES COAST GUARD	17.5	4.7	11.8	-	.7	.2	.6	-	-	-
URBAN MASS TRANSPORTATION ADMIN	54.7	8.3	32.9	-	2.0	.1	.3	-	11.0	-

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TABLE C-8. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL(a)	EXTRAMURAL, UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	1.8	1.5	.4	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1.8	1.5	.4	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	.4	*	.1	-	.2	-	.1	-	*	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1.3	1.3	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	.5	.5	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	4.7	2.9	-	-	-	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	39.0	1.0	-	-	-	-	36.0	-	1.8	-
CONSUMER PRODUCT SAFETY COMMISSION	5.8	3.4	.5	-	.3	-	1.1	-	.4	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,809.0	108.1	948.5	757.1	130.7	755.6	50.2	35.5	3.9	8.4
ENVIRONMENTAL PROTECTION AGENCY	341.7	155.4	79.3	-	36.0	-	18.0	1.7	17.0	9.3
FEDERAL COMMUNICATIONS COMMISSION	2.0	1.1	.5	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	3.0	1.0	1.6	-	.2	-	-	.2	-	-
FEDERAL HOME LOAN BANK BOARD	.8	.8	-	-	*	-	-	-	-	-
FEDERAL TRADE COMMISSION	1.2	1.2	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	1.2	.2	.8	-	-	-	*	-	-	-
LIBRARY OF CONGRESS	3.0	3.0	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	3,948.0	1,181.3	2,049.9	*	197.9	81.5	29.5	1.6	.4	1.3
NATIONAL SCIENCE FOUNDATION	623.1	56.6	19.6	4.9	494.0	47.2	37.3	2.1	3.0	5.5
NUCLEAR REGULATORY COMMISSION	101.0	6.3	3.2	71.0	2.3	11.3	1.5	5.0	-	.6
OFFICE OF TELECOMMUNICATIONS POLICY	3.1	2.5	.9	-	.1	-	.1	-	-	-
SMALL BUSINESS ADMINISTRATION	.6	.1	.5	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	27.2	26.2	-	-	1.0	-	.1	-	-	-
TENNESSEE VALLEY AUTHORITY	19.6	8.7	-	-	.2	-	10.7	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1.6	.3	.9	-	-	-	.2	.2	-	-
UNITED STATES INFORMATION AGENCY	.1	.1	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	101.3	98.9	.3	-	1.5	-	.6	-	-	-

* INDICATES AMOUNT LESS THAN $50,000.

(a) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-9. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	23,487.6	6,060.2	11,346.6	961.1	2,643.2	1,175.9	706.5	267.2	246.8	80.5
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	502.8	362.2	3.2	-	129.2	-	-	.1	.9	9.7
AGRICULTURAL RESEARCH SERVICE	266.5	251.6	-	-	5.2	-	-	-	-	9.7
COOPERATIVE STATE RESEARCH SERVICE	122.3	4.3	-	-	117.5	-	-	-	.5	-
ECONOMIC RESEARCH SERVICE	25.0	24.6	-	-	.5	-	-	-	-	-
FARMER COOPERATIVE SERVICE	1.3	1.3	-	-	-	-	-	-	-	-
FOREST SERVICE	85.7	78.5	1.2	-	5.9	-	-	.1	*	-
STATISTICAL REPORTING SERVICE	2.0	2.0	-	-	.1	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	235.4	163.9	30.5	-	23.7	.9	5.9	.1	10.4	.1
BUREAU OF THE CENSUS	1.2	1.2	-	-	.2	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	6.4	.2	.2	-	.7	-	2.8	-	2.6	-
MARITIME ADMINISTRATION	19.6	.9	18.6	-	.2	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	50.1	49.2	.3	-	.5	-	.1	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	6.1	4.9	-	-	1.2	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	148.0	105.3	11.4	-	20.9	.9	1.9	.1	7.9	.1
OFFICE OF MINORITY BUSINESS ENTERP	1.5	.3	-	-	-	-	1.6	-	-	-
OFFICE OF TELECOMMUNICATIONS	1.4	1.4	-	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	.4	.4	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	11,225.2	3,061.4	7,400.4	.5	635.3	171.4	117.6	109.7	*	7.1
DEPARTMENT OF THE ARMY	2,425.4	889.1	1,448.2	-	42.4	24.0	16.8	3.7	*	1.1
DEPARTMENT OF THE NAVY	3,974.5	1,013.0	2,725.5	-	73.9	92.8	62.8	2.8	-	4.0
DEPARTMENT OF THE AIR FORCE	4,113.7	921.4	2,932.3	-	78.6	31.3	17.2	131.1	-	1.8
DEFENSE AGENCIES	680.7	211.8	358.3	.4	40.2	23.2	20.6	25.7	-	.4
DEPARTMENTWIDE FUNDS	1.0	.2	.4	*	.1	-	.3	.1	-	-
DIRECTOR OF TEST & EVALUATION, DEF	29.9	25.9	1.8	-	-	-	-	2.2	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,537.9	484.0	135.6	27.3	1,324.0	4.9	374.4	4.9	145.4	37.8
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	127.8	27.2	3.4	-	68.7	-	15.3	-	11.8	1.4
CENTER FOR DISEASE CONTROL	52.9	26.7	5.0	-	7.2	-	10.8	-	.1	3.1
FOOD AND DRUG ADMINISTRATION	38.0	23.9	3.2	-	8.1	-	1.9	-	.2	1.3
HEALTH RESOURCES ADMINISTRATION	34.9	8.7	4.6	-	10.2	-	6.3	.1	1.9	3.1
HEALTH SERVICES ADMINISTRATION	13.2	5.2	1.3	-	3.0	-	1.6	-	.4	1.7
NATIONAL INSTITUTE OF EDUCATION	90.0	11.7	5.0	-	26.6	-	34.5	-	12.2	.2
NATIONAL INSTITUTES OF HEALTH	1,950.3	352.8	102.6	27.3	1,119.6	4.6	279.3	4.3	35.6	24.2
OFFICE OF EDUCATION	88.8	.3	2.8	-	15.2	-	16.3	.4	57.8	-
OFFICE OF HUMAN DEVELOPMENT	62.0	3.7	2.3	-	49.9	-	1.9	-	2.0	2.7
OFFICE OF ASS'T SECTY FOR EDUCATION	13.1	.7	.1	-	8.6	-	3.2	-	.5	-
OFFICE OF THE SECRETARY	30.6	3.8	.5	-	4.7	-	6.6	-	15.0	-
SOCIAL AND REHABILITATION SERVICE	9.2	.8	4.7	-	2.2	-	1.7	-	1.9	-
SOCIAL SECURITY ADMINISTRATION	27.0	18.7	2.2	-	-	-	-	-	6.1	-
DEPT OF HOUSING & URBAN DEVELOPMENT	77.7	15.8	31.5	-	3.1	-	8.3	7.0	12.1	-
DEPARTMENT OF THE INTERIOR, TOTAL	312.5	195.1	80.1	-	34.4	.3	.3	.3	1.6	.9
BONNEVILLE POWER ADMINISTRATION	3.5	1.6	2.2	-	.1	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	1.0	.5	-	-	.5	-	-	-	-	-
BUREAU OF MINES	129.2	49.6	64.0	-	15.0	.3	-	.3	-	-
BUREAU OF OUTDOOR RECREATION	*	*	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	8.0	4.4	1.6	-	1.1	-	-	-	1.1	-
GEOLOGICAL SURVEY	114.8	111.2	1.7	-	1.9	-	-	-	*	-
NATIONAL PARK SERVICE	9.6	4.1	.3	-	4.9	-	.3	-	.1	-
OFFICE OF THE SECRETARY	1.7	.3	.4	-	*	-	-	-	-	.9
OFFICE OF WATER RES AND TECHNOLOGY	22.3	2.2	9.9	-	10.1	-	-	-	.1	-
US FISH AND WILDLIFE SERVICE	22.4	21.4	-	-	.8	-	-	-	.3	-
DEPARTMENT OF JUSTICE, TOTAL	42.5	6.9	3.9	-	9.1	-	13.4	6.4	2.9	-
BUREAU OF PRISONS	1.9	.8	.2	-	.6	-	.2	-	.1	-
DRUG ENFORCEMENT ADMINISTRATION	4.3	1.2	2.1	-	.5	-	.5	-	-	-
FEDERAL BUREAU OF INVESTIGATION	1.4	.2	1.2	-	-	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	.4	*	.4	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	34.5	4.7	-	-	8.0	-	12.8	6.4	2.8	-
DEPARTMENT OF LABOR, TOTAL	34.2	12.7	9.1	-	5.5	.3	5.3	*	1.3	-
BUREAU OF LABOR STATISTICS	1.7	1.7	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	15.8	3.3	2.7	-	4.1	.2	4.2	-	1.3	-
EMPLOYMENT STANDARDS ADMINISTRATION	5.5	5.5	-	-	-	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	2.8	.7	.5	-	1.0	-	.5	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	6.3	.8	5.5	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	2.2	.7	.4	-	.4	.1	.5	*	-	-
DEPARTMENT OF STATE, TOTAL	33.4	5.0	2.2	-	15.6	*	6.9	*	.7	2.9
DEPARTMENTAL FUNDS	1.5	.3	.4	-	.1	*	*	*	.7	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	31.9	4.8	1.8	-	15.5	-	6.9	-	-	2.9
DEPT OF TRANSPORTATION, TOTAL	351.8	71.1	189.5	-	21.6	1.5	6.6	11.9	49.5	.1
FEDERAL AVIATION ADMINISTRATION	109.2	26.5	70.3	-	1.5	-	-	10.9	-	-
FEDERAL HIGHWAY ADMINISTRATION	40.8	.6	8.2	-	9.4	-	.2	-	22.5	-
FEDERAL RAILROAD ADMINISTRATION	42.8	13.1	26.2	-	1.2	-	.5	1.0	.9	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	42.5	1.9	22.0	-	3.0	-	4.4	-	11.2	-
OFFICE OF THE SECRETARY	29.9	11.5	11.8	-	3.8	1.0	.7	-	1.1	.1
UNITED STATES COAST GUARD	18.3	4.7	12.2	-	.7	.2	.5	-	-	-
URBAN MASS TRANSPORTATION ADMIN	68.3	12.8	39.0	-	2.0	.3	.4	-	13.9	-

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TABLE C-9. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL [1]	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	1.6	1.6	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1.6	1.6	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	.1	*	*	-	-	-	-	-	-	-
ADV COMM ON INTERGOVERNMTL RELATIONS	1.4	1.4	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	.5	.5	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	3.9	2.7	-	-	-	-	-	-	1.2	-
COMMUNITY SERVICES ADMINISTRATION	39.0	1.0	-	-	-	-	38.0	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	5.6	3.8	.1	-	.2	-	1.1	-	.4	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	3,279.8	125.4	1,189.7	851.7	158.5	854.8	27.6	61.2	4.3	7.5
ENVIRONMENTAL PROTECTION AGENCY	246.5	115.0	58.3	-	36.3	-	16.0	2.0	13.0	6.5
FEDERAL COMMUNICATIONS COMMISSION	1.6	1.2	.4	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	6.1	.8	4.8	-	.2	.2	-	.1	-	-
FEDERAL HOME LOAN BANK BOARD	.8	.8	-	-	*	-	-	-	-	-
FEDERAL TRADE COMMISSION	1.3	1.3	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	2.8	.7	2.0	-	-	-	.1	-	-	-
LIBRARY OF CONGRESS	5.6	5.3	.3	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	3,546.6	1,211.2	2,115.7	*	107.0	79.2	30.3	1.6	.4	1.2
NATIONAL SCIENCE FOUNDATION	717.5	63.3	20.3	1.8	533.2	47.9	39.6	2.3	3.1	6.0
NUCLEAR REGULATORY COMMISSION	119.4	7.6	3.4	79.3	2.7	15.2	1.8	3.6	-	.8
OFFICE OF TELECOMMUNICATIONS POLICY	2.7	2.1	.3	.1	.1	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	.6	.1	.4	-	.1	-	-	-	-	-
SMITHSONIAN INSTITUTION	33.4	30.7	-	-	2.3	-	.4	-	-	-
TENNESSEE VALLEY AUTHORITY	22.0	9.9	-	-	.2	-	11.8	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	2.3	.2	1.0	.4	-	-	.7	-	-	-
UNITED STATES INFORMATION AGENCY	.1	.1	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	99.6	97.3	.3	-	1.4	-	.6	-	-	-

* INDICATES AMOUNT LESS THAN $50,000.

[1] INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-10. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL						
			UNITED STATES AND TERRITORIES						FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	6,929,210	2,412,260	1,267,137	140,860	2,104,878	420,989	390,949	64,540	86,645	40,948
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	401,944	285,589	1,379	-	107,669	-	210	101	457	6,539
AGRICULTURAL RESEARCH SERVICE	204,097	193,117	230	-	3,977	-	210	-	24	6,539
COOPERATIVE STATE RESEARCH SERVICE	101,141	3,158	-1	-	97,587	-	-	-	396	-
ECONOMIC RESEARCH SERVICE	21,307	20,931	-1	-	376	-	-	-	-	-
FARMER COOPERATIVE SERVICE	1,156	1,045	-1	-	111	-	-	-	-	-
FOREST SERVICE	73,256	66,418	1,149	-	5,591	-	-	101	37	-
NATIONAL AGRICULTURAL LIBRARY	61	61	-1	-	-1	-	-	-	-	-
STATISTICAL REPORTING SERVICE	981	914	-1	-	67	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	144,420	109,587	11,882	-	16,060	73	1,526	38	4,846	408
BUREAU OF THE CENSUS	659	544	-1	-	115	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,118	303	217	-	35	-	370	-	193	-
MARITIME ADMINISTRATION	5,737	642	4,672	-	314	-	109	-	-	-
NATIONAL BUREAU OF STANDARDS	34,747	33,638	290	-	697	-	162	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	720	515	-1	-	205	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	99,713	72,980	6,622	-	14,681	73	413	38	4,498	408
OFFICE OF MINORITY BUSINESS ENTERP	882	121	121	-	131	-	472	-	155	-
OFFICE OF TELECOMMUNICATIONS	594	594	-1	-	-1	-	-	-	-	-
PATENT & TRADEMARK OFFICE	250	250	-1	-	-1	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,793,068	667,903	820,739	1,314	190,159	45,501	42,033	21,043	-	3,376
DEPARTMENT OF THE ARMY	335,668	212,455	83,102	-	30,216	2,191	6,903	-	-	801
DEPARTMENT OF THE NAVY	302,730	175,178	94,602	-	55,422	12,875	3,617	504	-	532
DEPARTMENT OF THE AIR FORCE	822,368	201,482	533,918	-	78,270	212	12,070	-	-	1,416
DEFENSE AGENCIES	330,634	78,538	148,534	1,238	31,059	30,223	20,027	20,388	-	627
DEPARTMENTWIDE FUNDS	1,668	250	583	76	192	-	416	151	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,926,214	419,885	66,281	25,803	1,077,590	4,508	248,383	3,114	61,191	19,462
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	139,429	23,232	3,760	-	76,895	-	19,442	69	14,775	1,251
CENTER FOR DISEASE CONTROL	42,564	27,875	3,632	-	4,622	-	5,061	-	26	1,348
FOOD AND DRUG ADMINISTRATION	35,896	23,111	2,463	-	8,377	-	1,079	-	133	733
HEALTH RESOURCES ADMINISTRATION	16,703	7,008	61	-	8,522	-	517	220	-	430
HEALTH SERVICES ADMINISTRATION	10,627	3,255	-1	-	4,064	-	2,116	-	423	769
NATIONAL INSTITUTE OF EDUCATION	4,068	1,737	86	-	737	-	1,286	-	219	-
NATIONAL INSTITUTES OF HEALTH	1,605,601	311,504	52,021	25,800	959,584	4,508	210,383	2,825	26,396	12,580
OFFICE OF EDUCATION	5,266	731	843	-	3,386	-	762	-	202	-
OFFICE OF HUMAN DEVELOPMENT	7,077	385	310	-	3,864	-	167	-	-	2,351
OFFICE OF ASS'T SECTY FOR EDUCATION	550	75	-1	-	-1	-	475	-	-	-
OFFICE OF THE SECRETARY	26,229	2,629	470	-	3,073	-	5,907	-	14,150	-
SOCIAL AND REHABILITATION SERVICE	9,648	514	1,439	-	1,727	-	1,188	-	4,780	-
SOCIAL SECURITY ADMINISTRATION	22,560	10,487	1,248	-	2,738	-	-	-	87	-
DEPT OF HOUSING & URBAN DEVELOPMENT	33,495	10,380	8,710	-	1,840	-	5,360	5,195	2,010	-
DEPARTMENT OF THE INTERIOR, TOTAL	217,522	155,068	34,765	-1	25,913	5	296	-	1,231	254
BONNEVILLE POWER ADMINISTRATION	476	99	334	-	43	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	745	223	-1	-	392	-	-	-	30	-
BUREAU OF MINES	52,512	21,600	26,491	-	4,821	-	-	-	-	-
BUREAU OF OUTDOOR RECREATION	201	201	-1	-	-1	-	-	-	-	-
BUREAU OF RECLAMATION	7,318	4,199	1,374	-	1,354	-	-	-	391	-
GEOLOGICAL SURVEY	114,458	108,318	1,886	-	4,020	5	-	-	50	179
NATIONAL PARK SERVICE	8,377	3,538	387	-	4,067	-	296	-	89	-
OFFICE OF THE SECRETARY	1,270	215	430	-	350	-	-	-	200	75
OFFICE OF WATER RES AND TECHNOLOGY	15,421	1,844	3,388	-	10,138	-	-	-	51	-
US FISH AND WILDLIFE SERVICE	16,535	14,912	475	-	728	-	-	-	420	-
DEPARTMENT OF JUSTICE, TOTAL	18,895	1,487	303	-	7,931	4	7,955	1,151	-	68
DRUG ENFORCEMENT ADMINISTRATION	524	50	256	-	418	-	-	200	-	-
IMMIGRATION & NATURALIZATION SERVICE	491	21	471	-	-1	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	17,922	1,435	-1	-	7,513	-	7,955	951	-	68
DEPARTMENT OF LABOR, TOTAL	15,278	6,660	5,425	-	3,543	264	1,152	3	431	-
BUREAU OF LABOR STATISTICS	733	733	-1	-	-1	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	7,129	1,526	1,577	-	2,812	-	783	-	431	-
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	3,240	-1	-	-1	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	814	451	-1	-	363	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,374	212	1,162	-	-1	-	-	-	-	-
OFFICE OF THE SECRETARY	1,588	498	686	-	368	264	369	3	-	-
DEPARTMENT OF STATE, TOTAL	22,458	2,882	556	-	10,197	-	4,120	304	137	4,262
DEPARTMENTAL FUNDS	743	231	22	-	217	-	53	83	137	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,715	2,651	534	-	9,980	-	4,067	221	-	4,262
DEPT OF TRANSPORTATION, TOTAL	53,844	15,774	26,567	-	2,957	139	3,022	57	5,358	-
FEDERAL AVIATION ADMINISTRATION	14,123	3,008	10,738	-	320	-	-	57	-	-
FEDERAL HIGHWAY ADMINISTRATION	3,386	400	847	-	1,184	-	705	-	250	-
FEDERAL RAILROAD ADMINISTRATION	2,689	2,084	590	-	15	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	12,048	765	7,213	-	730	-	1,690	-	1,650	-
OFFICE OF THE SECRETARY	14,411	6,864	4,423	-	565	52	427	-	2,080	-
UNITED STATES COAST GUARD	4,288	1,285	2,660	-	143	-	200	-	-	-
URBAN MASS TRANSPORTATION ADMIN	2,899	1,368	96	-	-1	57	-	-	1,378	-

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TABLE C-10. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 197

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL (1)	EXTRAMURAL UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	400	400	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	400	400	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	1671	221	69	-	36	-	40	-	-	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,238	1,238	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	417	417	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	1,531	1,531	-	-	-	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	237	23	-	-	-	-	214	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	3,042	1,221	248	-	646	-	529	-	398	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	593,421	29,742	59,834	67,000	114,121	290,942	9,263	23,079	8	442
ENVIRONMENTAL PROTECTION AGENCY	141,711	64,303	28,533	-	31,775	-	7,100	800	8,400	800
FEDERAL COMMUNICATIONS COMMISSION	1,132	803	329	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	238	39	199	-	-	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	663	659	-	-	4	-	-	-	-	-
FEDERAL TRADE COMMISSION	934	934	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	926	70	554	-	-	-	282	-	-	-
LIBRARY OF CONGRESS	388	388	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	787,300	469,493	184,220	38	90,717	27,076	13,056	1,165	303	1,282
NATIONAL SCIENCE FOUNDATION	570,015	48,453	15,455	2,227	419,775	40,143	35,004	3,360	1,854	3,744
NUCLEAR REGULATORY COMMISSION	64,155	4,207	4,515	44,411	725	6,368	1,034	4,584	-	311
OFFICE OF TELECOMMUNICATIONS POLICY	2,482	1,901	346	-	171	-	-	193	25	-
SMALL BUSINESS ADMINISTRATION	172	16	156	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	24,785	23,244	-	-	1,370	-	171	-	-	-
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3,624	102	-	-	3,700	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	14,707	5,899	-	-	133	-	8,675	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	565	215	272	70	-	-	75	353	-	-
UNITED STATES INFORMATION AGENCY	841	841	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	87,140	86,691	-	-	-	-	449	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-11. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1975 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL (1)	EXTRAMURAL							
			UNITED STATES AND ITS ENTITIES							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	7,568,301	2,590,554	1,911,011	179,024	2,259,608	476,929	434,438	64,084	92,702	60,951
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	457,526	327,096	1,160	-	121,096	-	-	100	480	7,644
AGRICULTURAL RESEARCH SERVICE	239,509	227,098	-	-	4,767	-	-	-	-	7,644
COOPERATIVE STATE RESEARCH SERVICE	114,245	3,858	-	-	109,947	-	-	-	440	-
ECONOMIC RESEARCH SERVICE	24,708	24,223	-	-	485	-	-	-	-	-
FARMER COOPERATIVE SERVICE	1,254	1,229	-	-	25	-	-	-	-	-
FOREST SERVICE	76,105	69,005	1,160	-	5,800	-	-	100	40	-
NATIONAL AGRICULTURAL LIBRARY	111	61	-	-	50	-	-	-	-	-
STATISTICAL REPORTING SERVICE	1,654	1,627	-	-	27	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	159,310	124,514	10,070	-	14,647	1,730	2,629	-	5,645	75
BUREAU OF THE CENSUS	783	633	-	-	150	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	2,000	500	345	-	45	-	610	-	500	-
MARITIME ADMINISTRATION	5,354	498	4,647	-	209	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	38,615	37,897	145	-	508	-	65	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	1,278	1,078	-	-	200	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	110,269	83,193	4,915	-	13,535	1,730	1,671	-	5,145	75
OFFICE OF MINORITY BUSINESS ENTERP	362	61	18	-	-	-	283	-	-	-
OFFICE OF TELECOMMUNICATIONS	466	466	-	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	208	208	-	-	-	-	8	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,850,278	687,773	857,604	610	196,252	38,420	43,680	23,049	-	2,990
DEPARTMENT OF THE ARMY	339,025	211,654	86,491	-	31,270	-	8,860	70	-	680
DEPARTMENT OF THE NAVY	315,467	183,569	55,762	-	57,452	13,129	4,549	485	-	521
DEPARTMENT OF THE AIR FORCE	830,700	201,267	539,033	-	75,571	707	12,384	-	-	1,138
DEFENSE AGENCIES	383,480	91,027	175,121	533	31,763	24,584	17,461	22,340	-	651
DEPARTMENTWIDE FUNDS	1,706	256	597	77	196	-	426	154	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,128,456	456,906	80,778	28,373	1,180,979	4,786	277,127	3,387	67,258	29,560
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	142,634	24,888	3,410	-	79,639	-	17,850	-	15,222	1,632
CENTER FOR DISEASE CONTROL	50,676	27,995	4,500	-	4,692	-	6,873	-	50	6,566
FOOD AND DRUG ADMINISTRATION	36,856	23,209	3,193	-	8,064	-	1,314	-	150	926
HEALTH RESOURCES ADMINISTRATION	16,742	8,864	1,618	-	3,680	-	701	158	1,729	-
HEALTH SERVICES ADMINISTRATION	8,773	3,611	-	-	4,900	-	1,506	-	413	673
NATIONAL INSTITUTE OF EDUCATION	10,417	1,667	606	-	2,789	-	4,107	-	1,248	-
NATIONAL INSTITUTES OF HEALTH	1,786,603	344,192	61,027	28,373	1,064,196	4,788	235,500	3,229	29,643	15,105
OFFICE OF EDUCATION	7,733	112	1,278	-	4,954	-	1,090	-	301	-
OFFICE OF HUMAN DEVELOPMENT	7,737	385	85	-	2,059	-	150	-	-	5,058
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	75	-	-	-	-	962	-	-	-
OFFICE OF THE SECRETARY	24,980	3,009	417	-	3,743	-	5,397	-	12,384	-
SOCIAL AND REHABILITATION SERVICE	9,200	750	2,655	-	2,227	-	1,677	-	1,891	-
SOCIAL SECURITY ADMINISTRATION	25,898	17,636	1,997	-	2,038	-	-	-	4,227	-
DEPT OF HOUSING & UREAN DEVELOPMENT	37,478	12,719	11,408	-	2,026	-	2,780	1,160	2,385	-
DEPARTMENT OF THE INTERIOR, TOTAL	251,807	184,937	54,367	-	30,067	-	296	-	770	1,350
BONNEVILLE POWER ADMINISTRATION	513	148	365	-	-	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	739	326	-	-	413	-	-	-	-	-
BUREAU OF MINES	79,900	24,800	46,000	-	9,100	-	-	-	-	-
BUREAU OF OUTDOOR RECREATION	201	201	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	8,203	4,632	2,254	-	1,156	-	-	-	361	-
GEOLOGICAL SURVEY	118,420	112,743	1,745	-	3,907	-	-	-	25	-
NATIONAL PARK SERVICE	9,306	3,995	312	-	4,698	-	296	-	55	-
OFFICE OF THE SECRETARY	1,900	220	300	-	301	-	-	-	-	1,350
OFFICE OF WATER RES AND TECHNOLOGY	15,244	1,744	3,411	-	10,030	-	-	-	59	-
US FISH AND WILDLIFE SERVICE	17,562	10,559	-	-	733	-	-	-	270	-
DEPARTMENT OF JUSTICE, TOTAL	31,615	2,909	970	-	12,082	-	14,211	1,443	-	-
DRUG ENFORCEMENT ADMINISTRATION	2,195	100	700	-	420	-	500	475	-	-
IMMIGRATION & NATURALIZATION SERVICE	280	10	270	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	29,140	2,799	-	-	11,662	-	13,711	968	-	-
DEPARTMENT OF LABOR, TOTAL	20,190	9,797	4,085	-	3,091	119	2,591	48	435	24
BUREAU OF LABOR STATISTICS	620	620	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	6,667	1,957	1,134	-	1,649	-	1,497	-	435	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	5,433	-	-	-	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	2,750	725	523	-	1,019	-	523	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,300	300	2,000	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	2,380	762	428	-	423	119	571	48	-	24
DEPARTMENT OF STATE, TOTAL	22,668	3,524	855	-	10,573	-	3,243	13	694	3,766
DEPARTMENTAL FUNDS	1,013	225	61	-	57	-	18	13	694	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,655	3,299	849	-	10,516	-	3,225	-	-	3,766
DEPT OF TRANSPORTATION, TOTAL	54,885	18,221	27,145	-	1,975	152	2,256	65	5,111	-
FEDERAL AVIATION ADMINISTRATION	13,633	2,920	10,438	-	250	-	-	25	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,777	150	1,000	-	216	-	200	-	211	-
FEDERAL RAILROAD ADMINISTRATION	10,852	8,278	2,524	-	50	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	13,675	675	8,873	-	1,097	-	1,640	-	1,590	-
OFFICE OF THE SECRETARY	4,719	1,935	1,174	-	210	19	146	-	1,235	-
UNITED STATES COAST GUARD	4,844	1,455	2,967	-	152	-	270	-	-	-
URBAN MASS TRANSPORTATION ADMIN	5,185	2,808	169	-	-	133	-	-	2,075	-

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TABLE C-11. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	424	406	18	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	424	406	18	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	355	211	140	-	205	-	14	-	15	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,261	1,261	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	456	456	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	1,581	1,581	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	2,414	782	209	-	343	2	631	-	449	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	696,149	17,293	86,128	77,587	119,029	348,446	20,583	20,009	8	7,066
ENVIRONMENTAL PROTECTION AGENCY	177,965	84,965	44,700	-	35,000	-	5,400	400	6,100	1,400
FEDERAL COMMUNICATIONS COMMISSION	1,990	1,127	863	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	1,048	295	527	-	226	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	782	771	-	-	11	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,200	1,200	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	237	126	86	-	-	-	25	-	-	-
LIBRARY OF CONGRESS	411	411	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	820,629	488,331	207,792	37	83,528	24,734	13,687	1,150	325	1,045
NATIONAL SCIENCE FOUNDATION	606,280	52,197	17,305	1,461	444,975	47,226	32,470	2,139	3,027	5,476
NUCLEAR REGULATORY COMMISSION	101,040	6,279	3,207	70,956	2,266	11,314	1,502	4,961	-	555
OFFICE OF TELECOMMUNICATIONS POLICY	1,825	1,260	405	-	83	-	77	-	-	-
SMALL BUSINESS ADMINISTRATION	550	100	450	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	27,241	26,189	-	-	963	-	89	-	-	-
TENNESSEE VALLEY AUTHORITY	17,557	6,696	-	-	191	-	10,670	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,355	200	715	-	-	-	240	200	-	-
UNITED STATES INFORMATION AGENCY	101	101	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	91,397	91,160	-	-	-	-	237	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-12. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL (1)	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	7,850,673	2,676,457	1,500,044	98,591	2,324,027	508,176	429,390	63,599	101,530	50,859
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	480,856	341,200	1,160	-	128,716	-	-	100	544	9,136
AGRICULTURAL RESEARCH SERVICE	250,514	238,611	-1	-	2,767	-	-	-	-	9,136
COOPERATIVE STATE RESEARCH SERVICE	122,293	4,292	-1	-	117,497	-	-	-	504	-
ECONOMIC RESEARCH SERVICE	25,042	24,557	-1	-	485	-	-	-	-	-
FARMER COOPERATIVE SERVICE	1,272	1,272	-1	-	-1	-	-	-	-	-
FOREST SERVICE	80,017	72,817	1,160	-	5,900	-	-	100	40	-
STATISTICAL REPORTING SERVICE	1,718	1,651	-1	-	67	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	165,408	130,349	11,007	-	15,551	700	2,375	83	5,568	75
BUREAU OF THE CENSUS	672	692	-1	-	180	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	650	50	-1	-	150	-	450	-	-	-
MARITIME ADMINISTRATION	9,911	500	4,261	-	150	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	39,816	39,098	145	-	508	-	65	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	1,227	1,027	-1	-	200	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	116,809	88,361	6,601	-	14,363	700	1,259	83	5,568	75
OFFICE OF MINORITY BUSINESS ENTERP	365	64	-1	-	-1	-	301	-	-	-
OFFICE OF TELECOMMUNICATIONS	551	551	-1	-	-1	-	-	-	-	-
PATENT & TRADEMARK OFFICE	211	211	-1	-	-1	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,011,309	749,453	958,279	465	215,014	38,615	44,128	22,524	-	2,831
DEPARTMENT OF THE ARMY	391,250	238,769	108,584	-	33,645	-	11,338	-	-	914
DEPARTMENT OF THE NAVY	360,198	205,019	99,638	-	70,726	10,223	7,638	525	-	429
DEPARTMENT OF THE AIR FORCE	842,000	201,042	551,903	-	75,100	1,035	12,122	-	-	1,298
DEFENSE AGENCIES	416,861	104,473	220,304	420	35,468	21,357	12,780	21,909	-	190
DEPARTMENT-WIDE FUNDS	1,000	150	350	45	115	-	250	90	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,062,975	446,570	79,399	27,465	1,133,535	4,625	272,985	3,251	68,706	27,139
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	127,825	27,172	3,359	-	68,705	-	15,342	-	11,761	1,486
CENTER FOR DISEASE CONTROL	52,909	26,704	5,000	-	7,180	-	10,796	-	100	3,129
FOOD AND DRUG ADMINISTRATION	37,589	23,861	3,153	-	8,076	-	1,969	-	150	1,280
HEALTH RESOURCES ADMINISTRATION	14,883	7,475	1,511	-	2,515	-	611	148	1,623	-
HEALTH SERVICES ADMINISTRATION	10,526	4,013	-1	-	2,900	-	1,516	-	903	1,694
NATIONAL INSTITUTE OF EDUCATION	22,342	2,904	1,229	-	6,591	-	8,602	-	3,016	-
NATIONAL INSTITUTES OF HEALTH	1,716,243	330,702	58,695	27,265	1,022,600	4,625	223,975	3,103	28,986	16,842
OFFICE OF EDUCATION	5,678	84	554	-	3,602	-	814	-	224	-
OFFICE OF HUMAN DEVELOPMENT	6,865	407	531	-	3,927	-	150	-	-	2,748
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	75	-1	-	-1	-	962	-	-	-
OFFICE OF THE SECRETARY	30,560	3,756	515	-	6,712	-	6,571	-	15,002	-
SOCIAL AND REHABILITATION SERVICE	9,200	750	4,655	-	2,227	-	1,677	-	1,891	-
SOCIAL SECURITY ADMINISTRATION	26,558	18,667	2,241	-	-1	-	-	-	6,050	-
DEPT OF HOUSING & URBAN DEVELOPMENT	41,200	10,600	14,150	-	2,300	-	2,800	7,000	4,350	-
DEPARTMENT OF THE INTERIOR, TOTAL	240,253	161,291	47,885	-	28,715	-	293	-	1,565	700
BONNEVILLE POWER ADMINISTRATION	201	51	251	-	-1	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	980	980	-1	-	500	-	-	-	-	-
BUREAU OF MINES	72,175	22,700	40,000	-	9,475	-	-	-	-	-
BUREAU OF OUTDOOR RECREATION	201	201	-1	-	-1	-	-	-	-	-
BUREAU OF RECLAMATION	7,627	3,856	1,600	-	1,031	-	-	-	1,140	-
GEOLOGICAL SURVEY	114,790	111,170	1,700	-	1,895	-	-	-	25	-
NATIONAL PARK SERVICE	9,601	9,116	274	-	9,863	-	293	-	55	-
OFFICE OF THE SECRETARY	1,236	241	269	-	301	-	-	-	-	700
OFFICE OF WATER RES AND TECHNOLOGY	15,600	1,780	3,825	-	10,130	-	-	-	65	-
US FISH AND WILDLIFE SERVICE	17,994	10,523	-1	-	791	-	-	-	280	-
DEPARTMENT OF JUSTICE, TOTAL	23,779	3,211	804	-	7,483	-	9,895	1,644	532	-
BUREAU OF PRISONS	183	32	-1	-	106	-	15	-	32	-
DRUG ENFORCEMENT ADMINISTRATION	1,493	429	614	-	450	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	200	101	199	-	-1	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	21,903	2,750	-1	-	6,927	-	9,880	1,644	500	-
DEPARTMENT OF LABOR, TOTAL	22,582	10,444	7,304	-	2,936	110	1,709	44	435	-
BUREAU OF LABOR STATISTICS	743	743	-1	-	-1	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	5,532	2,077	870	-	1,985	-	665	-	435	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	5,450	-1	-	-1	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	2,757	692	516	-	1,033	-	516	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	8,300	800	5,500	-	-1	-	-	-	-	-
OFFICE OF THE SECRETARY	2,200	682	418	-	418	110	528	44	-	-
DEPARTMENT OF STATE, TOTAL	24,080	3,975	975	-	12,356	-	5,313	13	694	754
DEPARTMENTAL FUNDS	1,014	226	61	-	571	-	18	13	694	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	23,066	3,749	965	-	12,299	-	5,295	-	-	754
DEPT OF TRANSPORTATION, TOTAL	56,315	17,558	27,074	-	1,938	492	2,183	25	7,245	-
FEDERAL AVIATION ADMINISTRATION	15,170	3,230	11,665	-	250	-	-	25	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,528	350	878	-	200	-	150	-	200	-
FEDERAL RAILROAD ADMINISTRATION	6,442	4,850	1,542	-	50	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	14,650	715	9,615	-	1,097	-	1,790	-	1,683	-
OFFICE OF THE SECRETARY	4,190	1,771	1,042	-	186	17	130	-	1,097	-
UNITED STATES COAST GUARD	3,667	1,115	2,234	-	155	-	163	-	-	-
URBAN MASS TRANSPORTATION ADMIN	10,668	5,780	348	-	-1	275	-	-	4,265	-

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TABLE C-12. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
DEPARTMENT OF THE TREASURY, TOTAL	453	453	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	453	453	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	50	20	30	-	-	-	-	-	-	-
ADV COMM ON INTERGOVERNMTL RELATIONS	1,402	1,402	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	483	483	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	1,470	1,470	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,900	700	100	-	200	-	500	-	400	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	749,148	22,379	95,374	87,216	126,277	376,729	20,042	20,631	8	492
ENVIRONMENTAL PROTECTION AGENCY	140,488	57,088	33,000	-	35,000	-	4,500	1,000	8,000	1,900
FEDERAL COMMUNICATIONS COMMISSION	1,584	1,228	356	-	-	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	829	816	-	-	13	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,270	1,270	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	260	62	48	-	-	-	50	-	-	-
LIBRARY OF CONGRESS	479	479	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	856,975	514,074	220,103	37	83,568	24,025	14,060	1,150	348	1,050
NATIONAL SCIENCE FOUNDATION	702,603	63,301	18,389	1,770	525,116	47,890	39,728	2,292	3,135	5,982
NUCLEAR REGULATORY COMMISSION	114,390	7,560	3,370	79,293	2,735	15,190	1,800	3,642	-	800
OFFICE OF TELECOMMUNICATIONS POLICY	1,615	1,072	348	100	95	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	550	100	400	-	50	-	-	-	-	-
SMITHSONIAN INSTITUTION	33,413	33,748	-	-	2,264	-	401	-	-	-
TENNESSEE VALLEY AUTHORITY	19,581	7,570	-	-	205	-	11,806	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,480	165	685	442	-	-	385	-	-	-
UNITED STATES INFORMATION AGENCY	110	110	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	88,883	88,646	-	-	-	-	237	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-13. FEDERAL OBLIGATIONS FOR RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL FIELDS	6,929,210	7,568,301	[illegible]10,673
LIFE SCIENCES, TOTAL	2,449,938	2,708,507	[illegible]98,[illegible]23
BIOLOGICAL	1,263,710	1,414,183	1,439,313
CLINICAL MEDICAL	742,388	813,388	792,057
OTHER MEDICAL SCIENCES	378,614	410,328	400,589
LIFE SCIENCES, NEC	65,226	70,608	65,794
PSYCHOLOGY, TOTAL	122,621	134,501	137,244
BIOLOGICAL ASPECTS	47,224	48,784	46,713
SOCIAL ASPECTS	81,233	77,411	81,447
PSYCHOLOGICAL SCIENCES, NEC	5,164	8,306	9,084
PHYSICAL SCIENCES, TOTAL	1,025,198	1,103,698	1,194,349
ASTRONOMY	138,394	128,687	147,615
CHEMISTRY	287,133	318,738	324,533
PHYSICS	557,384	608,528	654,268
PHYSICAL SCIENCES, NEC	42,287	44,695	67,933
ENVIRONMENTAL SCIENCES, TOTAL	652,781	693,033	745,049
ATMOSPHERIC SCIENCES	288,701	290,988	310,052
GEOLOGICAL SCIENCES	182,939	194,402	203,831
OCEANOGRAPHY (EXCLUDING BIOLOGICAL)	131,565	137,478	151,131
ENVIRONMENTAL SCIENCES, NEC	69,576	70,165	80,035
MATHEMATICS	136,170	92,896	154,516
ENGINEERING, TOTAL	2,041,356	2,205,920	2,305,997
AERONAUTICAL	595,745	639,878	681,743
ASTRONAUTICAL	168,559	174,656	176,701
CHEMICAL	96,718	104,857	102,491
CIVIL	139,343	145,864	135,942
ELECTRICAL	246,638	271,851	293,092
MECHANICAL	129,993	135,165	139,992
METALLURGY & MATERIALS	243,047	270,539	292,507
ENGINEERING, NEC	421,365	467,110	503,529
SOCIAL SCIENCES, TOTAL	303,397	364,204	382,859
ANTHROPOLOGY	13,650	14,756	16,790
ECONOMICS	120,660	153,046	160,977
HISTORY	6,955	7,605	9,224
LINGUISTICS	3,049	3,086	2,779
POLITICAL SCIENCE	11,693	11,777	13,869
SOCIOLOGY	54,867	61,907	58,575
SOCIAL SCIENCES, NEC	80,523	112,027	120,645
OTHER SCIENCES, NEC	186,749	213,892	232,806

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-14. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES, NEC
TOTAL, ALL AGENCIES	6,929,210	2,499,938	133,621	1,925,198	652,781	136,170	1,041,356	303,397	186,749
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	401,999	251,977	-	99,792	11,601	2,825	35,073	50,703	6
AGRICULTURAL RESEARCH SERVICE	204,097	138,559	-	40,271	2,407	586	22,942	1,332	-
COOPERATIVE STATE RESEARCH SERVICE	101,141	69,498	-	5,297	321	-	3,467	22,487	-
ECONOMIC RESEARCH SERVICE	21,307	-	-	-	-	-	-	21,307	-
FARMER COOPERATIVE SERVICE	1,156	-	-	-	-	-	-	1,156	-
FOREST SERVICE	71,256	45,890	-	9,469	8,902	1,256	8,669	6,918	-
NATIONAL AGRICULTURAL LIBRARY	6	-	-	-	-	-	-	-	6
STATISTICAL REPORTING SERVICE	981	-	-	-	-	981	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	149,460	40,980	151	20,554	53,010	2,319	18,941	7,750	720
BUREAU OF THE CENSUS	659	-	151	-	-	182	-	326	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,118	-	-	-	-	-	-	1,118	-
MARITIME ADMINISTRATION	5,737	-	-	-	-	-	5,594	143	-
NATIONAL BUREAU OF STANDARDS	39,747	-	-	23,549	-	2,137	12,071	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	720	-	-	-	-	-	-	-	720
NATIONAL OCEANIC AND ATMOS ADMIN	99,713	40,980	-	101	53,010	-	932	5,281	-
OFFICE OF MINORITY BUSINESS ENTERP	884	-	-	-	-	-	-	884	-
OFFICE OF TELECOMMUNICATIONS	594	-	-	-	-	-	594	-	-
PATENT & TRADEMARK OFFICE	250	-	-	-	-	-	250	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,797,068	125,159	50,881	221,128	133,099	69,920	1,115,020	5,501	72,360
DEPARTMENT OF THE ARMY	335,668	62,735	14,403	74,076	10,742	6,173	159,277	1,757	6,505
DEPARTMENT OF THE NAVY	302,730	10,498	7,455	70,726	99,328	29,842	132,850	1,031	-
DEPARTMENT OF THE AIR FORCE	822,368	41,974	22,265	31,802	19,785	5,865	680,675	-	-
DEFENSE AGENCIES	330,034	3,740	6,675	44,634	38,249	27,893	141,695	2,574	65,579
DEPARTMENTWIDE FUNDS	1,668	214	83	290	-	147	519	139	276
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,926,214	1,611,800	59,501	39,514	-	19,670	15,281	110,275	73,773
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	135,965	74,276	41,059	621	-	1,528	-	17,575	3,770
CENTER FOR DISEASE CONTROL	92,564	92,564	-	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	35,896	35,896	-	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	16,703	9,181	-	-	-	-	-	9,060	3,962
HEALTH SERVICES ADMINISTRATION	10,627	10,627	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	4,068	-	-	-	-	-	-	4,068	-
NATIONAL INSTITUTES OF HEALTH	1,605,601	1,442,487	12,572	38,893	-	18,142	15,281	11,285	66,941
OFFICE OF EDUCATION	5,266	-	-	-	-	-	-	5,266	-
OFFICE OF HUMAN DEVELOPMENT	7,077	1,769	1,274	-	-	-	-	4,034	-
OFFICE OF ASS'T SECTY FOR EDUCATION	550	-	-	-	-	-	-	550	-
OFFICE OF THE SECRETARY	26,229	-	-	-	-	-	-	26,229	-
SOCIAL AND REHABILITATION SERVICE	5,648	-	-	-	-	-	-	5,648	-
SOCIAL SECURITY ADMINISTRATION	22,560	-	-	-	-	-	-	22,560	-
DEPT OF HOUSING & URBAN DEVELOPMENT	33,495	-	-	-	1,862	-	2,972	28,661	-
DEPARTMENT OF THE INTERIOR, TOTAL	217,532	29,508	315	10,372	119,698	2,729	57,892	5,755	1,263
BONNEVILLE POWER ADMINISTRATION	476	-	-	-	-	-	476	-	-
BUREAU OF LAND MANAGEMENT	745	681	-	-	-	-	-	64	-
BUREAU OF MINES	52,912	-	-	1,885	2,032	1,285	47,712	-	-
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	-	20	-
BUREAU OF RECLAMATION	7,318	550	-	-	4,238	-	2,546	184	-
GEOLOGICAL SURVEY	114,458	-	-	7,599	103,963	1,361	2,035	-	-
NATIONAL PARK SERVICE	8,377	3,724	-	251	732	-	-	3,303	533
OFFICE OF THE SECRETARY	1,470	-	-	-	61	-	1,269	-	-
OFFICE OF WATER RES AND TECHNOLOGY	15,941	3,018	315	862	4,749	83	3,659	2,129	730
US FISH AND WILDLIFE SERVICE	16,535	16,535	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	18,895	1,117	-	92	-	-	49	11,817	5,820
DRUG ENFORCEMENT ADMINISTRATION	924	832	-	92	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	49	-	-	-	-	-	49	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	17,922	285	-	-	-	-	-	11,817	5,820
DEPARTMENT OF LABOR, TOTAL	15,278	-	498	-	-	-	-	14,780	-
BUREAU OF LABOR STATISTICS	733	-	-	-	-	-	-	733	-
EMPLOYMENT AND TRAINING ADMIN	7,129	-	498	-	-	-	-	6,631	-
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	-	-	-	-	-	-	3,240	-
LABOR-MANAGEMENT SERVICES ADMIN	814	-	-	-	-	-	-	814	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,374	-	-	-	-	-	-	1,374	-
OFFICE OF THE SECRETARY	1,988	-	-	-	-	-	-	1,988	-
DEPARTMENT OF STATE, TOTAL	22,458	14,338	-	-	307	-	1,690	5,688	435
DEPARTMENTAL FUNDS	743	-	-	-	-	-	-	743	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,715	14,338	-	-	307	-	1,690	4,945	435
DEPT OF TRANSPORTATION, TOTAL	53,844	1,904	-	170	5,730	214	44,375	1,451	-
FEDERAL AVIATION ADMINISTRATION	14,123	-	-	-	-	-	13,800	323	-
FEDERAL HIGHWAY ADMINISTRATION	3,386	-	-	-	-	-	3,286	-	-
FEDERAL RAILROAD ADMINISTRATION	2,689	-	-	-	-	-	2,689	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	12,068	1,718	-	-	-	-	9,550	780	-
OFFICE OF THE SECRETARY	14,411	186	-	170	5,397	214	8,096	348	-
UNITED STATES COAST GUARD	4,288	-	-	-	333	-	3,955	-	-
URBAN MASS TRANSPORTATION ADMIN	2,899	-	-	-	-	-	2,899	-	-
DEPARTMENT OF THE TREASURY, TOTAL	400	-	-	387	-	-	13	-	-
BUREAU OF ENGRAVING AND PRINTING	400	-	-	387	-	-	13	-	-

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TABLE C-14. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSYCHOLOGY	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHEMATICS	ENGINEERING	SOCIAL SCIENCES	OTHER SCIENCES, NEC
OTHER AGENCIES									
ACTION	167	-	12	-	-	-	-	155	-
ADV COMM ON INTERGOVERNMTL RELATIONS	1,238	-	-	-	-	-	-	1,238	-
CIVIL AERONAUTICS BOARD	417	-	-	-	-	-	-	417	-
CIVIL SERVICE COMMISSION	1,531	-	1,531	-	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	237	-	-	-	-	-	-	237	-
CONSUMER PRODUCT SAFETY COMMISSION	3,042	-	-	-	-	-	2,269	773	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	593,495	128,724	-	330,974	16,807	5,532	111,397	-	-
ENVIRONMENTAL PROTECTION AGENCY	141,711	38,300	-	32,600	7,000	2,300	55,871	5,640	-
FEDERAL COMMUNICATIONS COMMISSION	1,132	-	-	-	-	-	671	461	-
FEDERAL ENERGY ADMINISTRATION	238	-	-	-	-	-	238	-	-
FEDERAL HOME LOAN BANK BOARD	663	-	-	-	-	-	-	663	-
FEDERAL TRADE COMMISSION	934	-	-	-	-	-	-	934	-
GENERAL SERVICES ADMINISTRATION	906	-	-	-	-	-	781	65	60
LIBRARY OF CONGRESS	388	-	-	-	-	-	-	-	388
NATIONAL AERONAUTICS & SPACE ADMIN	787,303	48,000	9,576	104,920	171,348	1,716	413,203	961	7,474
NATIONAL SCIENCE FOUNDATION	570,015	97,799	9,112	148,947	135,736	28,825	87,873	40,319	21,404
NUCLEAR REGULATORY COMMISSION	64,155	-	-	-	-	-	64,155	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	2,482	30	-	-	-	-	1,569	883	-
SMALL BUSINESS ADMINISTRATION	172	-	-	-	-	-	-	172	-
SMITHSONIAN INSTITUTION	24,785	11,346	-	4,248	1,948	-	-	7,643	-
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3,802	3,802	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	14,707	1,863	-	1,500	-	-	11,265	79	-
US ARMS CONTROL & DISARMAMENT AGENCY	983	-	-	-	351	123	674	153	-
UNITED STATES INFORMATION AGENCY	84	-	-	-	-	-	84	-	-
VETERANS ADMINISTRATION	87,140	78,329	5,599	-	-	-	-	226	3,046

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-19. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	7,568,301	2,708,507	132,501	1,103,048	693,333	142,896	2,209,920	364,204	213,892
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	457,526	286,431	-	57,007	12,433	3,688	39,840	57,516	11
AGRICULTURAL RESEARCH SERVICE	239,509	160,253	-	47,258	2,824	688	26,923	1,563	-
COOPERATIVE STATE RESEARCH SERVICE	114,245	78,503	-	5,712	714	-	3,916	25,400	-
ECONOMIC RESEARCH SERVICE	24,708	-	-	-	-	-	-	24,708	-
FARMER COOPERATIVE SERVICE	1,254	-	-	-	-	-	-	1,254	-
FOREST SERVICE	76,103	47,675	-	4,037	8,895	1,306	9,001	4,591	-
NATIONAL AGRICULTURAL LIBRARY	11	-	-	-	-	-	-	-	11
STATISTICAL REPORTING SERVICE	1,694	-	-	-	-	1,694	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	159,310	45,074	164	23,914	59,371	2,681	18,371	8,457	1,278
BUREAU OF THE CENSUS	763	-	164	-	-	187	-	412	-
ECONOMIC DEVELOPMENT ADMINISTRATION	2,000	-	-	-	-	-	-	2,000	-
MARITIME ADMINISTRATION	5,354	-	-	-	-	-	4,960	394	-
NATIONAL BUREAU OF STANDARDS	38,615	-	-	22,874	-	2,494	12,247	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	1,278	-	-	-	-	-	-	-	1,278
NATIONAL OCEANIC AND ATMOS ADMIN	110,269	45,074	-	901	59,371	-	490	5,289	-
OFFICE OF MINORITY BUSINESS ENTERP	362	-	-	-	-	-	-	362	-
OFFICE OF TELECOMMUNICATIONS	466	-	-	-	-	-	466	-	-
PATENT & TRADEMARK OFFICE	208	-	-	-	-	-	208	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,850,378	123,974	45,707	203,771	135,580	70,718	1,167,505	4,884	98,239
DEPARTMENT OF THE ARMY	335,025	65,552	15,093	54,701	13,190	5,607	163,905	1,998	18,979
DEPARTMENT OF THE NAVY	315,967	18,873	5,416	70,298	48,198	28,882	142,669	1,131	-
DEPARTMENT OF THE AIR FORCE	830,700	35,136	18,274	27,999	40,131	8,238	700,922	-	-
DEFENSE AGENCIES	363,980	4,194	6,839	50,477	34,061	27,840	159,482	1,612	78,975
DEPARTMENTWIDE FUNDS	1,706	219	85	296	-	151	527	143	285
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,128,656	1,783,053	58,979	44,032	-	21,733	17,003	125,305	78,551
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	142,634	75,287	43,156	775	-	1,551	-	17,576	4,289
CENTER FOR DISEASE CONTROL	50,676	50,676	-	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	36,856	36,856	-	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	16,742	5,196	-	-	-	-	-	11,296	250
HEALTH SERVICES ADMINISTRATION	8,773	8,773	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	10,417	-	-	-	-	-	-	10,417	-
NATIONAL INSTITUTES OF HEALTH	1,784,003	1,604,563	14,430	43,257	-	20,182	17,003	12,356	74,012
OFFICE OF EDUCATION	7,733	-	-	-	-	-	-	7,733	-
OFFICE OF HUMAN DEVELOPMENT	7,737	1,702	1,393	-	-	-	-	4,642	-
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037	-
OFFICE OF THE SECRETARY	24,950	-	-	-	-	-	-	24,950	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	25,898	-	-	-	-	-	-	25,898	-
DEPT OF HOUSING & URBAN DEVELOPMENT	37,478	-	-	-	1,600	-	2,900	32,978	-
DEPARTMENT OF THE INTERIOR, TOTAL	251,807	25,457	267	11,206	116,335	3,076	86,338	6,068	1,358
BONNEVILLE POWER ADMINISTRATION	513	-	-	-	-	-	513	-	-
BUREAU OF LAND MANAGEMENT	739	739	-	-	-	-	-	-	-
BUREAU OF MINES	79,900	-	-	2,365	2,370	1,560	73,885	-	-
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	20	-	-
BUREAU OF RECLAMATION	8,203	594	-	-	4,678	-	2,740	191	-
GEOLOGICAL SURVEY	118,420	-	-	8,409	108,516	1,926	2,069	-	-
NATIONAL PARK SERVICE	9,306	4,004	-	-	603	-	-	4,056	643
OFFICE OF THE SECRETARY	1,900	-	-	-	110	-	1,790	-	-
OFFICE OF WATER RES AND TECHNOLOGY	15,244	6,560	267	732	3,758	70	5,341	1,801	715
US FISH AND WILDLIFE SERVICE	17,562	17,562	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	31,615	900	-	-	-	-	3,900	22,321	4,494
DRUG ENFORCEMENT ADMINISTRATION	2,195	550	-	-	-	-	1,645	-	-
IMMIGRATION & NATURALIZATION SERVICE	280	-	-	-	-	-	255	-	25
LAW ENFORCEMENT ASSISTANCE ADMIN	29,140	350	-	-	-	-	2,000	22,321	4,469
DEPARTMENT OF LABOR, TOTAL	20,190	-	252	-	-	-	-	19,938	-
BUREAU OF LABOR STATISTICS	620	-	-	-	-	-	-	620	-
EMPLOYMENT AND TRAINING ADMIN	6,667	-	252	-	-	-	-	6,415	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	-	-	-	-	-	-	5,433	-
LABOR-MANAGEMENT SERVICES ADMIN	2,790	-	-	-	-	-	-	2,790	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,300	-	-	-	-	-	-	2,300	-
OFFICE OF THE SECRETARY	2,380	-	-	-	-	-	-	2,380	-
DEPARTMENT OF STATE, TOTAL	22,668	14,139	-	-	380	-	1,665	5,536	948
DEPARTMENTAL FUNDS	1,013	-	-	-	-	-	-	1,013	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,655	14,139	-	-	380	-	1,665	4,523	948
DEPT OF TRANSPORTATION, TOTAL	54,885	2,191	-	551	2,143	70	49,135	1,291	-
FEDERAL AVIATION ADMINISTRATION	13,633	-	-	-	-	-	13,350	283	-
FEDERAL HIGHWAY ADMINISTRATION	1,777	-	-	-	-	-	1,777	-	-
FEDERAL RAILROAD ADMINISTRATION	10,852	-	-	-	-	-	10,852	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	13,875	2,130	-	-	-	-	10,850	895	-
OFFICE OF THE SECRETARY	4,719	61	-	55	1,768	70	2,652	113	-
UNITED STATES COAST GUARD	4,849	-	-	-	375	-	4,469	-	-
URBAN MASS TRANSPORTATION ADMIN	5,185	-	-	-	-	-	5,185	-	-
DEPARTMENT OF THE TREASURY, TOTAL	424	-	-	411	-	-	13	-	-
BUREAU OF ENGRAVING AND PRINTING	424	-	-	411	-	-	13	-	-

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TABLE C-15. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
OTHER AGENCIES									
ACTION	395	-	-	-	-	-	-	395	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,261	-	-	-	-	-	-	1,261	-
CIVIL AERONAUTICS BOARD	456	-	-	-	-	-	-	456	-
CIVIL SERVICE COMMISSION	1,581	-	1,581	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	2,414	-	-	-	-	-	1,734	680	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	656,149	157,941	-	390,378	19,860	6,149	117,826	4,000	-
ENVIRONMENTAL PROTECTION AGENCY	177,465	47,900	-	45,800	9,000	2,600	66,865	5,300	-
FEDERAL COMMUNICATIONS COMMISSION	1,950	-	-	-	-	-	1,022	928	-
FEDERAL ENERGY ADMINISTRATION	1,048	-	-	-	-	-	119	929	-
FEDERAL HOME LOAN BANK BOARD	782	-	-	-	-	-	-	782	-
FEDERAL TRADE COMMISSION	1,200	-	-	-	-	-	-	1,200	-
GENERAL SERVICES ADMINISTRATION	237	-	-	-	-	-	177	-	60
LIBRARY OF CONGRESS	411	-	-	-	-	-	-	-	411
NATIONAL AERONAUTICS & SPACE ADMIN	820,629	18,848	9,931	164,141	178,360	1,388	440,201	1,428	6,432
NATIONAL SCIENCE FOUNDATION	606,280	106,341	9,885	155,655	154,219	30,438	78,853	52,585	18,604
NUCLEAR REGULATORY COMMISSION	131,040	-	-	-	-	-	131,040	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	1,825	137	-	30	-	-	1,061	597	-
SMALL BUSINESS ADMINISTRATION	550	-	-	-	-	-	-	550	-
SMITHSONIAN INSTITUTION	27,241	12,243	-	4,808	1,942	-	-	8,248	-
TENNESSEE VALLEY AUTHORITY	17,557	2,058	-	1,840	-	-	13,546	113	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,355	-	-	-	110	360	705	180	-
UNITED STATES INFORMATION AGENCY	101	-	-	-	-	-	101	-	-
VETERANS ADMINISTRATION	51,397	82,118	5,835	-	-	-	-	238	3,206

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-16. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	7,850,673	2,698,153	157,249	1,194,349	745,049	154,516	2,305,997	382,859	232,506
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	480,856	301,774	-	60,421	13,069	3,812	41,816	59,964	-
AGRICULTURAL RESEARCH SERVICE	250,514	167,616	-	49,430	2,953	720	28,160	1,635	-
COOPERATIVE STATE RESEARCH SERVICE	122,293	84,033	-	6,115	764	-	4,192	27,189	-
ECONOMIC RESEARCH SERVICE	25,042	-1	-	-1	-1	-	-1	25,042	-
FARMER COOPERATIVE SERVICE	1,272	-1	-	-1	-1	-	-1	1,272	-
FOREST SERVICE	80,017	50,125	-	4,876	9,352	1,374	9,464	4,826	-
STATISTICAL REPORTING SERVICE	1,718	-1	-	-1	-1	1,718	-1	-	-
DEPARTMENT OF COMMERCE, TOTAL	165,408	47,968	182	24,617	82,151	2,780	18,513	7,970	1,227
BUREAU OF THE CENSUS	872	-1	182	-1	-1	208	-1	482	-
ECONOMIC DEVELOPMENT ADMINISTRATION	650	-1	-	-1	-1	-	-1	650	-
MARITIME ADMINISTRATION	4,911	-1	-	-1	-1	-	4,549	362	-
NATIONAL BUREAU OF STANDARDS	39,816	-1	-	24,617	-1	2,572	12,627	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	1,227	-1	-	-1	-1	-	-1	-	1,227
NATIONAL OCEANIC AND ATMOS ADMIN	116,605	47,968	-	-1	82,151	-	5751	6,111	-
OFFICE OF MINORITY BUSINESS ENTERP	365	-1	-	-1	-1	-	-1	365	-
OFFICE OF TELECOMMUNICATIONS	5511	-1	-	-1	-1	-	5511	-	-
PATENT & TRADEMARK OFFICE	211	-1	-	-1	-1	-	211	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,011,309	133,430	53,299	226,828	148,995	75,810	1,242,737	4,054	126,156
DEPARTMENT OF THE ARMY	391,250	72,392	19,717	69,239	13,142	6,778	189,978	1,903	18,101
DEPARTMENT OF THE NAVY	340,198	20,495	7,038	85,986	53,407	33,550	138,370	1,352	-
DEPARTMENT OF THE AIR FORCE	842,000	35,457	18,497	30,015	42,742	8,778	704,511	-	-
DEFENSE AGENCIES	416,861	4,957	7,998	41,914	39,704	26,616	187,569	715	107,888
DEPARTMENTWIDE FUNDS	1,000	129	49	174	-1	88	309	84	167
DEPT OF HEALTH, ED, & WELFARE, TOTAL	2,062,975	1,719,173	52,932	42,344	-1	20,668	16,339	136,935	74,584
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	127,825	69,481	37,836	777	-1	1,274	-1	15,244	3,213
CENTER FOR DISEASE CONTROL	52,909	52,909	-	-1	-1	-	-1	-	-
FOOD AND DRUG ADMINISTRATION	37,989	37,989	-	-1	-1	-	-1	-	-
HEALTH RESOURCES ADMINISTRATION	14,883	4,876	-	-1	-1	-	-1	9,757	250
HEALTH SERVICES ADMINISTRATION	10,526	10,526	-	-1	-1	-	-1	-	-
NATIONAL INSTITUTE OF EDUCATION	22,342	-1	-	-1	-1	-	-1	22,342	-
NATIONAL INSTITUTES OF HEALTH	1,716,243	1,541,890	13,867	41,567	-1	19,394	16,339	12,065	71,121
OFFICE OF EDUCATION	5,678	-1	-	-1	-1	-	-1	5,678	-
OFFICE OF HUMAN DEVELOPMENT	6,825	1,502	1,229	-1	-1	-	-1	4,094	-
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	-1	-	-1	-1	-	-1	1,037	-
OFFICE OF THE SECRETARY	30,560	-1	-	-1	-1	-	-1	30,560	-
SOCIAL AND REHABILITATION SERVICE	9,200	-1	-	-1	-1	-	-1	9,200	-
SOCIAL SECURITY ADMINISTRATION	26,958	-1	-	-1	-1	-	-1	26,958	-
DEPT OF HOUSING & URBAN DEVELOPMENT	41,200	-1	-	-1	2,350	-	3,300	35,550	-
DEPARTMENT OF THE INTERIOR, TOTAL	240,253	26,099	300	10,700	115,052	3,204	77,333	6,222	1,343
BONNEVILLE POWER ADMINISTRATION	30	-1	-	-1	-1	-	30	-	-
BUREAU OF LAND MANAGEMENT	980	980	-	-1	-1	-	-1	-	-
BUREAU OF MINES	72,175	-1	-	1,600	2,385	1,590	66,600	-	-
BUREAU OF OUTDOOR RECREATION	20	-1	-	-1	-1	-	-1	20	-
BUREAU OF RECLAMATION	7,627	419	-	-1	4,670	-	2,408	130	-
GEOLOGICAL SURVEY	114,790	-1	-	8,320	102,772	1,499	2,199	-	-
NATIONAL PARK SERVICE	9,607	3,986	-	301	720	-	-1	4,222	643
OFFICE OF THE SECRETARY	1,236	-1	-	-1	605	-	631	-	-
OFFICE OF WATER RES AND TECHNOLOGY	15,800	2,720	300	750	3,900	115	5,465	1,850	700
US FISH AND WILDLIFE SERVICE	17,994	17,994	-	-1	-1	-	-1	-	-
DEPARTMENT OF JUSTICE, TOTAL	23,779	800	-	-1	-1	-	2,143	18,173	2,663
BUREAU OF PRISONS	183	-1	-	-1	-1	-	-1	183	-
DRUG ENFORCEMENT ADMINISTRATION	1,493	450	-	-1	-1	-	1,043	-	-
IMMIGRATION & NATURALIZATION SERVICE	200	-1	-	-1	-1	-	100	-	100
LAW ENFORCEMENT ASSISTANCE ADMIN	21,903	350	-	-1	-1	-	1,000	17,990	2,563
DEPARTMENT OF LABOR, TOTAL	22,982	-1	273	-1	-1	-	-1	22,709	-
BUREAU OF LABOR STATISTICS	743	-1	-	-1	-1	-	-1	743	-
EMPLOYMENT AND TRAINING ADMIN	5,532	-1	273	-1	-1	-	-1	5,259	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	-1	-	-1	-1	-	-1	5,450	-
LABOR-MANAGEMENT SERVICES ADMIN	2,757	-1	-	-1	-1	-	-1	2,757	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	6,300	-1	-	-1	-1	-	-1	6,300	-
OFFICE OF THE SECRETARY	2,200	-1	-	-1	-1	-	-1	2,200	-
DEPARTMENT OF STATE, TOTAL	24,080	17,173	-	-1	355	-	1,160	5,297	95
DEPARTMENTAL FUNDS	1,014	-1	-	-1	-1	-	-1	1,014	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	23,066	17,173	-	-1	355	-	1,160	4,283	95
DEPT OF TRANSPORTATION, TOTAL	56,315	2,304	-	491	1,945	62	50,599	1,356	-
FEDERAL AVIATION ADMINISTRATION	15,170	-1	-	-1	-1	-	14,860	310	-
FEDERAL HIGHWAY ADMINISTRATION	1,528	-1	-	-1	-1	-	1,528	-	-
FEDERAL RAILROAD ADMINISTRATION	6,942	-1	-	-1	-1	-	6,942	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	14,650	2,250	-	-1	-1	-	11,455	945	-
OFFICE OF THE SECRETARY	4,190	54	-	491	1,570	62	2,354	101	-
UNITED STATES COAST GUARD	3,667	-1	-	-1	375	-	3,292	-	-
URBAN MASS TRANSPORTATION ADMIN	10,668	-1	-	-1	-1	-	10,668	-	-
DEPARTMENT OF THE TREASURY, TOTAL	453	-1	-	440	-1	-	13	-	-
BUREAU OF ENGRAVING AND PRINTING	453	-1	-	440	-1	-	13	-	-

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TABLE C-16. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
OTHER AGENCIES									
ACTION	50	-	-	-	-	-	-	50	-
ADV COMM ON INTERGOVERNMTL RELATIONS	1,402	-	-	-	-	-	-	1,402	-
CIVIL AERONAUTICS BOARD	483	-	-	-	-	-	-	483	-
CIVIL SERVICE COMMISSION	1,470	-	1,470	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,900	-	-	-	-	-	1,700	200	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	749,148	164,294	-	428,440	22,191	6,839	122,384	5,000	-
ENVIRONMENTAL PROTECTION AGENCY	140,488	38,588	-	33,000	7,000	2,300	54,000	5,600	-
FEDERAL COMMUNICATIONS COMMISSION	1,584	-	-	-	-	-	883	701	-
FEDERAL HOME LOAN BANK BOARD	869	-	-	-	-	-	-	829	-
FEDERAL TRADE COMMISSION	1,273	-	-	-	-	-	-	1,270	-
GENERAL SERVICES ADMINISTRATION	163	-	-	-	-	-	100	-	63
LIBRARY OF CONGRESS	479	-	-	-	-	-	-	-	479
NATIONAL AERONAUTICS & SPACE ADMIN	858,975	41,768	10,888	176,112	184,648	1,327	434,050	1,380	8,802
NATIONAL SCIENCE FOUNDATION	702,633	126,572	12,400	181,390	185,107	37,439	87,741	54,857	17,097
NUCLEAR REGULATORY COMMISSION	114,390	-	-	-	-	-	114,390	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	1,615	137	-	30	-	-	1,063	385	-
SMALL BUSINESS ADMINISTRATION	550	-	-	-	-	-	-	550	-
SMITHSONIAN INSTITUTION	33,413	14,336	-	5,678	2,111	-	-	11,088	-
TENNESSEE VALLEY AUTHORITY	19,581	2,379	-	2,300	-	-	14,708	194	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,680	-	-	-	75	275	915	415	-
UNITED STATES INFORMATION AGENCY	110	-	-	-	-	-	110	-	-
VETERANS ADMINISTRATION	88,663	81,158	5,500	-	-	-	-	225	2,000

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-17. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	133,621	47,224	81,233	5,164	1,025,198	138,394	287,133	557,384	42,287
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	49,792	-	42,130	7,662	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	40,271	-	34,713	5,558	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	5,057	-	-	-	-
FOREST SERVICE	-	-	-	-	4,464	-	2,360	2,104	-
DEPARTMENT OF COMMERCE, TOTAL	151	-	151	-	20,594	748	6,243	13,563	-
BUREAU OF THE CENSUS	151	-	151	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	20,594	748	6,233	13,563	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	101	-	10	-	-
DEPARTMENT OF DEFENSE, TOTAL	50,881	4,530	44,479	2,072	221,128	12,528	49,425	133,710	29,465
DEPARTMENT OF THE ARMY	14,403	634	13,335	834	74,076	2,048	23,450	34,824	13,754
DEPARTMENT OF THE NAVY	7,455	2,113	5,342	-	70,726	4,228	12,724	53,774	-
DEPARTMENT OF THE AIR FORCE	22,265	804	21,461	-	31,842	6,252	9,226	16,324	-
DEFENSE AGENCIES	6,675	1,369	4,068	1,238	44,234	-	25	28,498	15,711
DEPARTMENTWIDE FUNDS	83	10	73	-	290	-	-	290	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	55,901	30,710	23,914	1,277	39,514	-	38,520	994	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	41,655	21,818	18,560	1,277	621	-	621	-	-
NATIONAL INSTITUTES OF HEALTH	12,972	8,892	4,080	-	38,893	-	37,899	994	-
OFFICE OF HUMAN DEVELOPMENT	1,274	-	1,274	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	315	-	315	-	10,372	-	8,395	1,977	-
BUREAU OF MINES	-	-	-	-	1,885	-	1,435	450	-
GEOLOGICAL SURVEY	-	-	-	-	7,599	-	6,238	1,361	-
NATIONAL PARK SERVICE	-	-	-	-	25	-	25	-	-
OFFICE OF WATER RES AND TECHNOLOGY	315	-	315	-	863	-	697	166	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	92	-	92	-	-
DRUG ENFORCEMENT ADMINISTRATION	-	-	-	-	92	-	92	-	-
DEPARTMENT OF LABOR, TOTAL	498	-	498	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	498	-	498	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	170	-	164	6	-
OFFICE OF THE SECRETARY	-	-	-	-	170	-	164	6	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	387	-	85	55	247
BUREAU OF ENGRAVING AND PRINTING	-	-	-	-	387	-	85	55	247
OTHER AGENCIES									
ACTION	16	-	16	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	1,531	-	1,531	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	337,974	-	63,692	264,801	2,531
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	26,600	-	25,200	1,400	-
NATIONAL AERONAUTICS & SPACE ADMIN	5,676	1,107	3,819	1,754	169,920	91,777	5,949	57,154	10,044
NATIONAL SCIENCE FOUNDATION	9,112	6,612	2,500	-	148,947	29,093	49,792	70,062	-
SMITHSONIAN INSTITUTION	-	-	-	-	4,498	4,248	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,500	-	1,500	-	-
VETERANS ADMINISTRATION	5,544	4,265	1,218	61	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-18. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	132,591	48,789	77,411	6,306	1,103,648	128,087	318,738	606,528	49,695
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	57,607	-	48,899	8,708	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	47,258	-	40,736	6,522	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	5,712	-	5,712	-	-
FOREST SERVICE	-	-	-	-	4,637	-	2,451	2,186	-
DEPARTMENT OF COMMERCE, TOTAL	164	-	164	-	23,914	847	7,526	15,541	-
BUREAU OF THE CENSUS	164	-	164	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	23,074	847	7,486	15,541	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	40	-	40	-	-
DEPARTMENT OF DEFENSE, TOTAL	45,707	3,148	38,907	3,652	203,771	10,407	43,856	114,529	34,979
DEPARTMENT OF THE ARMY	15,093	200	13,861	1,032	54,701	342	25,820	13,288	15,251
DEPARTMENT OF THE NAVY	5,416	268	5,148	-	70,298	4,187	9,382	56,729	-
DEPARTMENT OF THE AIR FORCE	18,274	907	17,287	-	27,999	5,878	8,127	13,994	-
DEFENSE AGENCIES	6,839	1,640	2,579	2,620	50,477	-	527	30,222	19,728
DEPARTMENTWIDE FUNDS	85	53	32	-	296	-	-	296	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	58,979	32,659	24,976	1,344	44,032	-	42,925	1,107	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	42,156	22,765	15,047	1,344	775	-	775	-	-
NATIONAL INSTITUTES OF HEALTH	14,430	9,894	4,536	-	43,257	-	42,150	1,107	-
OFFICE OF HUMAN DEVELOPMENT	1,393	-	1,393	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	267	-	267	-	11,206	-	9,504	1,702	-
BUREAU OF MINES	-	-	-	-	2,065	-	1,930	135	-
GEOLOGICAL SURVEY	-	-	-	-	8,409	-	6,983	1,426	-
OFFICE OF WATER RES AND TECHNOLOGY	267	-	267	-	732	-	591	141	-
DEPARTMENT OF LABOR, TOTAL	252	-	252	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	252	-	252	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	55	-	53	2	-
OFFICE OF THE SECRETARY	-	-	-	-	55	-	53	2	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	411	-	90	58	263
BUREAU OF ENGRAVING AND PRINTING	-	-	-	-	411	-	90	58	263
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	1,581	-	1,581	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	390,378	-	69,065	318,642	2,671
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	45,800	-	37,800	8,000	-
NATIONAL AERONAUTICS & SPACE ADMIN	9,831	1,188	7,402	1,241	109,141	81,189	5,448	65,722	11,782
NATIONAL SCIENCE FOUNDATION	9,882	7,300	2,580	5	155,655	31,436	51,732	72,487	-
OFFICE OF TELECOMMUNICATIONS POLICY	-	-	-	-	30	-	-	30	-
SMITHSONIAN INSTITUTION	-	-	-	-	4,808	4,808	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,840	-	1,840	-	-
VETERANS ADMINISTRATION	5,835	4,489	1,282	64	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-19. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	137,244	46,713	81,447	9,084	1,194,349	147,015	324,533	654,268	67,933
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	60,421	-	51,301	9,120	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	49,430	-	42,608	6,822	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	6,115	-	-	-	-
FOREST SERVICE	-	-	-	-	4,876	-	2,578	2,298	-
DEPARTMENT OF COMMERCE, TOTAL	182	-	182	-	24,617	874	7,719	16,024	-
BUREAU OF THE CENSUS	182	-	182	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	24,617	874	7,719	16,024	-
DEPARTMENT OF DEFENSE, TOTAL	53,299	2,777	44,519	6,003	226,828	11,342	51,225	115,002	49,259
DEPARTMENT OF THE ARMY	19,717	282	18,209	1,226	69,239	180	28,490	16,092	24,477
DEPARTMENT OF THE NAVY	7,036	406	6,634	-	85,986	4,728	13,523	67,737	-
DEPARTMENT OF THE AIR FORCE	18,497	1,008	17,489	-	30,015	6,436	8,652	14,927	-
DEFENSE AGENCIES	7,998	1,052	2,169	4,777	41,414	-	560	16,372	24,782
DEPARTMENTWIDE FUNDS	49	31	18	-	174	-	-	174	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	54,932	28,913	24,692	1,327	42,344	-	41,280	1,064	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	37,838	19,405	17,104	1,327	777	-	777	-	-
NATIONAL INSTITUTES OF HEALTH	13,867	9,508	4,359	-	41,567	-	40,503	1,064	-
OFFICE OF HUMAN DEVELOPMENT	1,229	-	1,229	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	300	-	300	-	10,700	30	8,921	1,749	-
BUREAU OF MINES	-	-	-	-	1,600	-	1,500	100	-
GEOLOGICAL SURVEY	-	-	-	-	8,320	-	6,821	1,499	-
NATIONAL PARK SERVICE	-	-	-	-	30	30	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	300	-	300	-	750	-	600	150	-
DEPARTMENT OF LABOR, TOTAL	273	-	273	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	273	-	273	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	49	-	47	2	-
OFFICE OF THE SECRETARY	-	-	-	-	49	-	47	2	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	440	-	98	62	282
BUREAU OF ENGRAVING AND PRINTING	-	-	-	-	440	-	98	62	282
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	1,470	-	1,470	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	428,440	-	70,884	354,569	2,987
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	33,000	-	26,000	7,000	-
NATIONAL AERONAUTICS & SPACE ADMIN	10,888	1,403	7,731	1,754	178,121	42,129	6,211	64,372	15,409
NATIONAL SCIENCE FOUNDATION	12,400	9,320	3,080	-	161,390	37,567	28,549	85,274	-
OFFICE OF TELECOMMUNICATIONS POLICY	-	-	-	-	30	-	-	30	-
SMITHSONIAN INSTITUTION	-	-	-	-	5,678	5,678	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	2,300	-	2,300	-	-
VETERANS ADMINISTRATION	5,500	4,240	1,200	60	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-20. FEDERAL OBLIGATIONS FOR RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	2,449,528	1,263,710	742,388	378,614	65,226	652,781	268,701	182,936	131,565	69,576
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	251,947	247,370	4,577	-	-	11,601	5,163	977	-	5,461
AGRICULTURAL RESEARCH SERVICE	136,559	136,559	-	-	-	2,407	391	455	-	1,561
COOPERATIVE STATE RESEARCH SERVICE	69,498	64,921	4,577	-	-	532	632	-	-	-
FOREST SERVICE	45,890	45,890	-	-	-	8,662	4,140	522	-	3,900
DEPARTMENT OF COMMERCE, TOTAL	40,580	40,980	-	-	-	53,010	34,916	1,355	16,739	-
NATIONAL OCEANIC AND ATMOS-ADMIN	40,580	40,980	-	-	-	52,010	34,916	1,355	16,739	-
DEPARTMENT OF DEFENSE, TOTAL	125,159	18,610	49,530	55,857	1,162	133,099	73,989	14,642	39,359	5,109
DEPARTMENT OF THE ARMY	62,735	5,406	35,111	14,218	-	10,742	6,047	2,948	1,747	-
DEPARTMENT OF THE NAVY	16,698	5,307	10,334	-	857	44,328	6,818	1,572	35,938	-
DEPARTMENT OF THE AIR FORCE	41,572	333	-	41,239	-	39,785	37,463	2,322	-	-
DEFENSE AGENCIES	3,740	3,433	-	-	305	38,244	23,661	7,800	1,674	5,109
DEPARTMENTWIDE FUNDS	284	129	85	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,611,800	626,831	630,686	293,776	61,513	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	74,278	34,858	18,705	10,038	10,675	-	-	-	-	-
CENTER FOR DISEASE CONTROL	42,564	-	-	42,564	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	35,856	28,217	-	7,679	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	4,181	-	4,181	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	10,627	-	10,283	-	344	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	1,442,487	565,756	595,742	230,495	50,494	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	1,769	-	1,769	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	1,862	-	-	-	1,862
DEPARTMENT OF THE INTERIOR, TOTAL	29,508	29,409	-	66	33	114,698	4,375	95,246	13,895	1,182
BUREAU OF LAND MANAGEMENT	681	681	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	2,330	-	2,030	-	-
BUREAU OF RECLAMATION	550	550	-	-	-	4,038	3,997	41	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	103,463	-	89,593	13,870	-
NATIONAL PARK SERVICE	3,724	3,724	-	-	-	732	13	325	8	386
OFFICE OF THE SECRETARY	-	-	-	-	-	6	-	6	-	-
OFFICE OF WATER RES AND TECHNOLOGY	3,618	2,519	-	66	33	4,429	365	3,251	17	796
US FISH AND WILDLIFE SERVICE	10,535	10,535	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,117	832	-	285	-	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	832	832	-	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	285	-	-	285	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	14,338	11,309	3,029	-	-	307	-	307	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	14,338	11,309	3,029	-	-	307	-	307	-	-
DEPT OF TRANSPORTATION, TOTAL	1,904	186	1,718	-	-	5,730	3,060	-	333	2,337
NATL HIGHWAY TRAFFIC SAFETY ADMIN	1,718	-	1,718	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	186	186	-	-	-	5,397	3,060	-	-	2,337
UNITED STATES COAST GUARD	-	-	-	-	-	333	-	-	333	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	128,721	119,805	8,916	-	-	16,837	8,830	2,956	5,021	-
ENVIRONMENTAL PROTECTION AGENCY	38,300	33,500	-	4,800	-	7,000	3,900	1,700	1,400	-
NATIONAL AERONAUTICS & SPACE ADMIN	18,000	7,693	1,150	7,596	1,561	171,348	82,649	23,898	11,188	53,613
NATIONAL SCIENCE FOUNDATION	97,799	97,799	-	-	-	135,736	51,734	40,433	43,557	12
OFFICE OF TELECOMMUNICATIONS POLICY	301	301	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	11,346	11,346	-	-	-	1,548	85	1,390	73	-
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3,802	-	3,802	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	1,863	1,863	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	35	-	35	-	-
VETERANS ADMINISTRATION	78,324	19,147	38,986	19,234	957	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-21. FEDERAL OBLIGATIONS FOR RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC.	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC.
TOTAL, ALL AGENCIES	2,708,507	1,414,183	813,388	410,328	70,608	693,033	290,988	194,402	137,478	70,165
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	286,431	281,261	5,170	-	-	12,933	5,473	1,076	-	5,884
AGRICULTURAL RESEARCH SERVICE	160,253	160,253	-	-	-	2,824	458	534	-	1,832
COOPERATIVE STATE RESEARCH SERVICE	78,503	73,333	5,170	-	-	714	714	-	-	-
FOREST SERVICE	47,675	47,675	-	-	-	8,895	4,301	542	-	4,052
DEPARTMENT OF COMMERCE, TOTAL	45,074	45,074	-	-	-	59,371	37,565	1,099	20,707	-
NATIONAL OCEANIC AND ATMOS ADMIN	45,074	45,074	-	-	-	59,371	37,565	1,099	20,707	-
DEPARTMENT OF DEFENSE, TOTAL	123,974	20,640	51,349	50,706	1,279	135,580	74,495	17,358	41,897	1,830
DEPARTMENT OF THE ARMY	65,552	10,491	39,126	15,835	-	13,190	5,847	5,486	1,857	-
DEPARTMENT OF THE NAVY	18,673	5,836	12,138	-	899	48,198	6,856	2,440	38,902	-
DEPARTMENT OF THE AIR FORCE	35,136	265	-	34,871	-	49,131	37,593	2,538	-	-
DEFENSE AGENCIES	4,194	3,814	-	-	380	34,061	24,199	6,894	1,138	1,830
DEPARTMENTWIDE FUNDS	219	134	85	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,783,053	694,472	696,603	325,017	66,961	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	75,287	35,598	19,211	10,037	10,441	-	-	-	-	-
CENTER FOR DISEASE CONTROL	50,676	-	-	50,676	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	36,856	28,951	-	7,905	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	5,196	-	5,196	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	8,773	-	8,423	-	350	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	1,604,563	629,923	662,071	256,399	56,170	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	1,702	-	1,702	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	1,600	-	-	-	1,600
DEPARTMENT OF THE INTERIOR, TOTAL	25,459	25,375	-	56	28	118,035	4,964	99,086	13,072	913
BUREAU OF LAND MANAGEMENT	739	739	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	2,370	-	2,370	-	-
BUREAU OF RECLAMATION	594	594	-	-	-	9,678	4,653	25	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	106,516	-	93,558	12,958	-
NATIONAL PARK SERVICE	4,004	4,004	-	-	-	603	1	365	-	237
OFFICE OF THE SECRETARY	-	-	-	-	-	110	-	10	100	-
OFFICE OF WATER RES AND TECHNOLOGY	2,560	2,476	-	56	28	3,758	310	2,758	14	676
US FISH AND WILDLIFE SERVICE	17,562	17,562	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	900	550	-	350	-	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	550	550	-	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	350	-	-	350	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	14,139	10,371	3,572	196	-	380	-	380	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	14,139	10,371	3,572	196	-	380	-	380	-	-
DEPT OF TRANSPORTATION, TOTAL	2,191	61	2,130	-	-	2,143	1,002	-	375	766
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,130	-	2,130	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	61	61	-	-	-	1,768	1,002	-	-	766
UNITED STATES COAST GUARD	-	-	-	-	-	375	-	-	375	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	157,541	145,757	12,184	-	-	19,860	10,740	3,154	5,966	-
ENVIRONMENTAL PROTECTION AGENCY	47,500	42,800	-	5,100	-	9,000	3,900	3,400	1,700	-
NATIONAL AERONAUTICS & SPACE ADMIN	18,848	7,688	1,664	8,164	1,332	178,300	89,025	20,560	9,628	59,147
NATIONAL SCIENCE FOUNDATION	106,041	105,541	-	500	-	154,219	63,729	46,407	44,058	25
OFFICE OF TELECOMMUNICATIONS POLICY	137	137	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	12,243	12,243	-	-	-	1,942	95	1,772	75	-
TENNESSEE VALLEY AUTHORITY	2,058	2,058	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	110	-	110	-	-
VETERANS ADMINISTRATION	82,118	20,155	40,716	20,239	1,008	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-22. FEDERAL OBLIGATIONS FOR RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	2,698,153	1,939,313	794,057	903,989	65,794	745,049	310,252	203,831	151,131	80,035
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	501,774	496,439	5,535	-	-	13,069	5,765	1,129	-	6,175
AGRICULTURAL RESEARCH SERVICE	167,616	167,616	-	-	-	2,953	479	559	-	1,915
COOPERATIVE STATE RESEARCH SERVICE	84,033	78,498	5,535	-	-	764	764	-	-	-
FOREST SERVICE	50,125	50,125	-	-	-	9,352	4,522	570	-	4,260
DEPARTMENT OF COMMERCE, TOTAL	47,568	47,568	-	-	-	62,151	41,494	1,465	19,192	-
NATIONAL OCEANIC AND ATMOS ADMIN	47,568	47,568	-	-	-	62,151	41,494	1,465	19,192	-
DEPARTMENT OF DEFENSE, TOTAL	133,430	29,738	56,210	51,386	96	148,995	77,703	18,999	48,937	3,411
DEPARTMENT OF THE ARMY	74,392	12,198	43,995	16,195	-	13,142	6,685	4,574	1,883	-
DEPARTMENT OF THE NAVY	20,495	7,963	11,736	-	796	53,407	7,489	3,019	42,899	-
DEPARTMENT OF THE AIR FORCE	35,457	266	-	35,191	-	42,742	39,971	2,771	-	-
DEFENSE AGENCIES	4,997	4,232	525	-	200	39,704	23,558	8,580	4,155	3,411
DEPARTMENTWIDE FUNDS	129	79	50	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,719,173	668,013	671,713	316,916	62,531	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	69,481	32,768	18,955	9,560	8,198	-	-	-	-	-
CENTER FOR DISEASE CONTROL	52,909	-	-	52,909	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	37,889	29,926	-	8,063	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	4,876	-	4,876	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	10,526	-	10,169	-	357	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	1,541,850	603,319	636,211	246,284	56,036	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	1,502	-	1,502	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	2,350	-	-	-	2,350
DEPARTMENT OF THE INTERIOR, TOTAL	26,699	26,004	-	60	35	115,052	4,985	96,677	11,761	1,629
BUREAU OF LAND MANAGEMENT	980	980	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	2,385	-	2,385	-	-
BUREAU OF RECLAMATION	419	419	-	-	-	4,670	4,650	20	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	102,772	-	91,631	11,141	-
NATIONAL PARK SERVICE	3,986	3,986	-	-	-	720	10	431	-	279
OFFICE OF THE SECRETARY	-	-	-	-	-	605	-	5	-	600
OFFICE OF WATER RES AND TECHNOLOGY	2,720	2,625	-	60	35	3,900	325	2,805	20	750
US FISH AND WILDLIFE SERVICE	17,594	17,594	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	800	450	-	350	-	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	450	450	-	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	350	-	-	350	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	17,173	12,009	4,664	500	-	355	-	355	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	17,173	12,009	4,664	500	-	355	-	355	-	-
DEPT OF TRANSPORTATION, TOTAL	2,204	54	2,150	-	-	1,945	890	-	375	680
NATL HIGHWAY TRAFFIC SAFETY ADMIN	2,150	-	2,150	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	54	54	-	-	-	1,570	890	-	-	680
UNITED STATES COAST GUARD	-	-	-	-	-	375	-	-	375	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	164,254	154,523	9,731	-	-	22,191	11,771	3,569	6,851	-
ENVIRONMENTAL PROTECTION AGENCY	38,588	38,588	-	9,000	-	7,000	4,000	1,600	1,400	-
NATIONAL AERONAUTICS & SPACE ADMIN	21,788	11,563	1,596	7,477	1,332	184,648	89,950	19,230	9,703	65,765
NATIONAL SCIENCE FOUNDATION	126,572	126,072	-	500	-	185,137	73,392	58,856	52,834	25
OFFICE OF TELECOMMUNICATIONS POLICY	137	137	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	19,536	19,536	-	-	-	2,111	102	1,931	78	-
TENNESSEE VALLEY AUTHORITY	2,379	2,379	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	75	-	75	-	-
VETERANS ADMINISTRATION	81,198	29,000	49,258	20,000	900	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-23. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING							
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELECTRICAL	MECHANICAL	METALLURGY AND MATERIALS	ENGINEERING NEC
TOTAL, ALL AGENCIES	2,041,350	595,745	168,559	98,718	139,343	246,630	129,943	243,047	421,365
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	35,073	-	-	3,181	4,814	224	2,381	-	24,473
AGRICULTURAL RESEARCH SERVICE	22,942	-	-	2,874	2,597	72	998	-	16,401
COOPERATIVE STATE RESEARCH SERVICE	3,467	-	-	-	-	-	-	-	3,467
FOREST SERVICE	8,664	-	-	307	2,217	152	1,383	-	4,605
DEPARTMENT OF COMMERCE, TOTAL	18,941	-	-	80	5,686	3,025	923	1,979	7,248
MARITIME ADMINISTRATION	5,594	-	-	-	3,212	500	485	-	1,397
NATIONAL BUREAU OF STANDARDS	12,971	-	-	-	2,042	1,846	349	1,979	5,855
NATIONAL OCEANIC AND ATMOS ADMIN	436	-	-	-	432	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	594	-	-	-	-	594	-	-	-
PATENT & TRADEMARK OFFICE	250	-	-	80	-	85	89	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,115,020	366,747	84,960	29,183	39,617	189,794	77,691	99,325	227,703
DEPARTMENT OF THE ARMY	159,277	44,880	2,048	5,124	9,483	49,553	16,289	16,290	15,510
DEPARTMENT OF THE NAVY	132,850	15,140	-	9,257	5,345	40,032	38,037	20,475	3,964
DEPARTMENT OF THE AIR FORCE	682,679	305,796	82,791	14,196	13,298	56,859	20,436	44,407	137,950
DEFENSE AGENCIES	141,695	931	121	660	11,242	43,289	2,186	12,653	70,613
DEPARTMENTWIDE FUNDS	519	-	-	-	249	61	43	-	166
DEPT OF HEALTH, ED, & WELFARE, TOTAL	15,681	-	-	-	-	-	-	-	15,281
NATIONAL INSTITUTES OF HEALTH	15,281	-	-	-	-	-	-	-	15,281
DEPT OF HOUSING & URBAN DEVELOPMENT	2,972	-	-	-	975	-	548	549	1,400
DEPARTMENT OF THE INTERIOR, TOTAL	57,892	-	-	8,584	10,257	4,087	4,719	29,283	962
BONNEVILLE POWER ADMINISTRATION	476	-	-	-	-	476	-	-	-
BUREAU OF MINES	47,712	-	-	8,470	3,480	3,280	3,465	29,217	-
BUREAU OF RECLAMATION	2,546	-	-	14	2,278	234	20	-	-
GEOLOGICAL SURVEY	2,035	-	-	-	1,735	-	300	-	-
OFFICE OF THE SECRETARY	1,284	-	-	-	250	80	934	-	-
OFFICE OF WATER RES AND TECHNOLOGY	3,859	-	-	100	2,714	17	-	66	962
DEPARTMENT OF JUSTICE, TOTAL	49	-	-	-	-	49	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	49	-	-	-	-	49	-	-	-
DEPARTMENT OF STATE, TOTAL	1,690	-	-	-	1,110	-	580	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,690	-	-	-	1,110	-	580	-	-
DEPT OF TRANSPORTATION, TOTAL	44,375	2,838	160	-	34,427	4,327	1,623	-	-
FEDERAL AVIATION ADMINISTRATION	13,800	600	160	-	12,590	450	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	3,386	-	-	-	3,386	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	2,689	-	-	-	2,689	-	-	-	-
NATL HIGHWAY TRAFFIC SAFETY ADMIN	9,550	-	-	-	8,800	-	750	-	-
OFFICE OF THE SECRETARY	8,090	2,238	-	-	4,858	-	-	-	-
UNITED STATES COAST GUARD	3,955	-	-	-	489	2,793	673	-	-
URBAN MASS TRANSPORTATION ADMIN	2,899	-	-	-	1,815	1,084	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	13	-	-	-	-	-	-	13	-
BUREAU OF ENGRAVING AND PRINTING	13	-	-	-	-	-	-	13	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION	2,269	-	-	-	-	-	-	-	2,269
ENERGY RESEARCH & DEVELOPMENT ADMIN	111,397	-	-	29,927	17,000	5,656	7,210	46,928	9,676
ENVIRONMENTAL PROTECTION AGENCY	55,871	-	-	14,000	19,800	9,471	17,000	-	-
FEDERAL COMMUNICATIONS COMMISSION	671	-	-	-	-	671	-	-	-
FEDERAL ENERGY ADMINISTRATION	238	-	-	238	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	781	-	-	-	699	-	-	-	82
NATIONAL AERONAUTICS & SPACE ADMIN	413,603	229,138	83,169	2,883	313	20,851	9,913	46,154	24,782
NATIONAL SCIENCE FOUNDATION	87,873	22	-	11,292	4,669	11,703	7,355	18,816	34,016
NUCLEAR REGULATORY COMMISSION	64,155	-	-	-	-	-	-	-	64,155
OFFICE OF TELECOMMUNICATIONS POLICY	1,569	-	25	-	-	1,544	-	-	-
TENNESSEE VALLEY AUTHORITY	11,265	-	-	1,750	976	-	-	-	9,039
US ARMS CONTROL & DISARMAMENT AGENCY	674	-	245	-	-	150	-	-	279
UNITED STATES INFORMATION AGENCY	841	-	-	-	-	84	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-24. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING SCI.
TOTAL, ALL AGENCIES	2,209,960	639,878	174,656	104,807	145,804	271,851	135,165	270,539	467,110
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	35,840	-	-	3,692	5,350	243	2,608	-	27,947
AGRICULTURAL RESEARCH SERVICE	28,923	-	-	3,373	3,047	85	1,171	-	19,247
COOPERATIVE STATE RESEARCH SERVICE	3,916	-	-	-	-	-	-	-	3,916
FOREST SERVICE	9,011	-	-	319	2,303	158	1,437	-	6,784
DEPARTMENT OF COMMERCE, TOTAL	18,371	-	-	69	5,934	3,199	1,019	2,155	6,025
MARITIME ADMINISTRATION	4,960	-	-	-	3,052	609	609	-	690
NATIONAL BUREAU OF STANDARDS	12,471	-	-	69	2,362	2,055	340	2,155	5,335
NATIONAL OCEANIC AND ATMOS ADMIN	490	-	-	-	490	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	466	-	-	-	-	466	-	-	-
PATENT & TRADEMARK OFFICE	208	-	-	69	-	69	70	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,167,505	394,930	83,713	26,329	37,989	193,279	84,160	110,045	240,085
DEPARTMENT OF THE ARMY	183,905	46,131	2,009	5,891	9,755	45,883	19,614	14,669	19,943
DEPARTMENT OF THE NAVY	142,669	13,853	-	11,769	3,917	46,833	41,653	23,361	1,781
DEPARTMENT OF THE AIR FORCE	700,922	331,067	81,197	8,564	7,209	57,946	18,637	52,759	145,583
DEFENSE AGENCIES	139,482	3,879	537	100	17,334	39,555	6,212	19,256	72,609
DEPARTMENTWIDE FUNDS	527	-	-	-	774	62	44	-	169
DEPT OF HEALTH, ED, & WELFARE, TOTAL	17,003	-	-	-	-	-	-	-	17,003
NATIONAL INSTITUTES OF HEALTH	17,003	-	-	-	-	-	-	-	17,003
DEPT OF HOUSING & URBAN DEVELOPMENT	2,900	-	-	-	500	-	700	500	1,200
DEPARTMENT OF THE INTERIOR, TOTAL	86,338	-	-	14,056	14,267	6,371	7,117	43,611	816
BONNEVILLE POWER ADMINISTRATION	513	-	-	-	-	513	-	-	-
BUREAU OF MINES	73,885	-	-	13,950	5,550	5,550	5,280	43,555	-
BUREAU OF RECLAMATION	2,740	-	-	21	2,478	229	12	-	-
GEOLOGICAL SURVEY	2,089	-	-	-	1,789	-	300	-	-
OFFICE OF THE SECRETARY	1,790	-	-	-	200	65	1,525	-	-
OFFICE OF WATER RES AND TECHNOLOGY	5,341	-	-	85	4,370	14	-	56	816
DEPARTMENT OF JUSTICE, TOTAL	3,900	-	-	-	1,000	1,900	-	-	1,000
DRUG ENFORCEMENT ADMINISTRATION	1,645	-	-	-	-	1,645	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	255	-	-	-	-	255	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,000	-	-	-	1,000	-	-	-	1,000
DEPARTMENT OF STATE, TOTAL	1,665	-	-	-	1,915	-	250	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,665	-	-	-	1,415	-	250	-	-
DEPT OF TRANSPORTATION, TOTAL	49,135	1,641	185	10,100	30,086	5,406	1,737	-	-
FEDERAL AVIATION ADMINISTRATION	13,353	580	185	-	12,190	435	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,777	-	-	-	1,777	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	10,852	-	-	-	10,852	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	10,850	-	-	10,100	-	-	750	-	-
OFFICE OF THE SECRETARY	2,652	1,061	-	-	1,591	-	-	-	-
UNITED STATES COAST GUARD	4,969	-	-	-	326	3,156	987	-	-
URBAN MASS TRANSPORTATION ADMIN	5,185	-	-	-	3,370	1,815	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	131	-	-	-	-	-	-	13	-
BUREAU OF ENGRAVING AND PRINTING	131	-	-	-	-	-	-	13	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION	1,734	-	-	-	-	-	-	-	1,734
ENERGY RESEARCH & DEVELOPMENT ADMIN	117,826	-	-	17,957	20,000	13,700	664	53,458	12,567
ENVIRONMENTAL PROTECTION AGENCY	66,865	-	-	16,500	23,569	6,100	20,700	-	-
FEDERAL COMMUNICATIONS COMMISSION	1,022	-	-	-	-	1,022	-	-	-
FEDERAL ENERGY ADMINISTRATION	419	-	-	419	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	177	-	-	-	138	6	-	-	39
NATIONAL AERONAUTICS & SPACE ADMIN	440,201	243,157	90,451	3,988	498	28,105	8,841	41,971	23,790
NATIONAL SCIENCE FOUNDATION	78,853	150	-	11,345	9,683	14,350	7,369	18,806	22,110
NUCLEAR REGULATORY COMMISSION	101,040	-	-	-	-	-	-	-	101,040
OFFICE OF TELECOMMUNICATIONS POLICY	1,061	-	32	-	-	1,029	-	-	-
TENNESSEE VALLEY AUTHORITY	13,546	-	-	1,727	461	-	-	-	11,358
US ARMS CONTROL & DISARMAMENT AGENCY	709	-	275	-	-	-	-	-	434
UNITED STATES INFORMATION AGENCY	101	-	-	-	-	101	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-25. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	2,305,997	661,743	176,701	102,491	135,992	293,092	139,992	292,507	503,529
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	41,816	-	-	3,863	5,038	256	2,736	-	29,923
AGRICULTURAL RESEARCH SERVICE	28,160	-	-	3,527	3,187	90	1,225	-	20,131
COOPERATIVE STATE RESEARCH SERVICE	4,192	-	-	-	-	-	-	-	4,192
FOREST SERVICE	9,464	-	-	336	1,461	166	1,511	-	5,030
DEPARTMENT OF COMMERCE, TOTAL	18,513	-	-	70	5,466	3,187	869	2,222	6,699
MARITIME ADMINISTRATION	4,369	-	-	-	2,456	457	457	-	1,199
NATIONAL BUREAU OF STANDARDS	12,627	-	-	-	2,439	2,119	351	2,222	5,500
NATIONAL OCEANIC AND ATMOS ADMIN	575	-	-	-	575	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	551	-	-	-	-	551	-	-	-
PATENT & TRADEMARK OFFICE	211	-	-	70	-	70	71	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,242,737	494,309	83,749	34,692	35,374	211,798	93,986	123,762	258,872
DEPARTMENT OF THE ARMY	185,978	95,765	1,597	7,474	10,993	59,473	22,354	16,560	21,757
DEPARTMENT OF THE NAVY	158,370	15,959	-	19,973	9,007	30,976	93,467	26,935	2,553
DEPARTMENT OF THE AIR FORCE	706,511	332,920	81,872	8,593	7,231	59,343	16,650	53,805	146,097
DEFENSE AGENCIES	187,569	5,660	280	9,000	13,136	41,982	11,475	23,962	87,604
DEPARTMENTWIDE FUNDS	309	-	-	147	37	26	-	-	99
DEPT OF HEALTH, ED, & WELFARE, TOTAL	16,339	-	-	-	-	-	-	-	16,339
NATIONAL INSTITUTES OF HEALTH	16,339	-	-	-	-	-	-	-	16,339
DEPT OF HOUSING & URBAN DEVELOPMENT	3,300	-	-	-	650	-	550	700	1,400
DEPARTMENT OF THE INTERIOR, TOTAL	77,333	-	-	12,301	13,396	5,719	6,692	38,630	1,250
BONNEVILLE POWER ADMINISTRATION	30	-	-	-	-	30	-	-	-
BUREAU OF MINES	66,600	-	-	12,380	5,385	5,385	5,180	38,570	-
BUREAU OF RECLAMATION	2,908	-	-	41	2,146	229	12	-	-
GEOLOGICAL SURVEY	2,199	-	-	-	1,849	-	350	-	-
OFFICE OF THE SECRETARY	611	-	-	-	81	50	500	-	-
OFFICE OF WATER RES AND TECHNOLOGY	5,985	-	-	200	3,935	20	-	60	1,250
DEPARTMENT OF JUSTICE, TOTAL	2,143	-	-	-	-	1,143	-	-	1,000
DRUG ENFORCEMENT ADMINISTRATION	1,043	-	-	-	-	1,043	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	100	-	-	-	-	100	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	1,000	-	-	-	-	-	-	-	1,000
DEPARTMENT OF STATE, TOTAL	1,160	-	-	-	1,160	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,160	-	-	-	1,160	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	90,599	1,587	215	-	40,732	6,568	1,517	-	-
FEDERAL AVIATION ADMINISTRATION	14,860	645	215	-	13,515	485	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,528	-	-	-	1,528	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	6,942	-	-	-	6,942	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	11,455	-	-	-	10,665	-	790	-	-
OFFICE OF THE SECRETARY	2,354	942	-	-	1,412	-	-	-	-
UNITED STATES COAST GUARD	3,292	-	-	-	290	2,325	727	-	-
URBAN MASS TRANSPORTATION ADMIN	10,668	-	-	-	6,933	3,738	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	131	-	-	-	-	-	-	13	-
BUREAU OF ENGRAVING AND PRINTING	131	-	-	-	-	-	-	13	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION	1,700	-	-	-	-	-	-	-	1,700
ENERGY RESEARCH & DEVELOPMENT ADMIN	122,384	-	475	19,000	10,000	10,085	1,031	64,900	16,893
ENVIRONMENTAL PROTECTION AGENCY	54,000	-	-	15,000	17,000	5,000	17,000	-	-
FEDERAL COMMUNICATIONS COMMISSION	883	-	-	-	-	883	-	-	-
GENERAL SERVICES ADMINISTRATION	100	-	-	-	75	-	-	-	25
NATIONAL AERONAUTICS & SPACE ADMIN	454,050	255,702	91,795	2,380	935	29,653	6,739	43,932	23,914
NATIONAL SCIENCE FOUNDATION	87,741	150	-	13,269	5,749	17,684	9,522	21,348	20,024
NUCLEAR REGULATORY COMMISSION	114,390	-	-	-	-	-	-	-	114,390
OFFICE OF TELECOMMUNICATIONS POLICY	1,063	-	32	-	-	1,031	-	-	-
TENNESSEE VALLEY AUTHORITY	14,708	-	-	1,910	302	-	-	-	12,496
US ARMS CONTROL & DISARMAMENT AGENCY	515	-	435	-	-	-	-	-	480
UNITED STATES INFORMATION AGENCY	113	-	-	-	-	110	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-20. FEDERAL OBLIGATIONS FOR RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	SOCIAL SCIENCES						
		ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES, NEC
TOTAL, ALL AGENCIES	303,397	13,850	120,660	6,955	3,049	11,693	54,867	86,323
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	50,700	-	47,605	362	-	-	1,946	787
AGRICULTURAL RESEARCH SERVICE	4,332	-	4,261	-	-	-	3	68
COOPERATIVE STATE RESEARCH SERVICE	22,487	-	21,296	-	-	-	1,191	-
ECONOMIC RESEARCH SERVICE	21,307	-	20,949	362	-	-	458	458
FARMER COOPERATIVE SERVICE	1,196	-	1,156	-	-	-	-	-
FOREST SERVICE	4,418	-	3,843	-	-	-	314	261
DEPARTMENT OF COMMERCE, TOTAL	7,750	-	7,593	-	-	-	157	-
BUREAU OF THE CENSUS	526	-	369	-	-	-	157	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,118	-	1,118	-	-	-	-	-
MARITIME ADMINISTRATION	143	-	143	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,281	-	5,281	-	-	-	-	-
OFFICE OF MINORITY BUSINESS ENTERP	882	-	882	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	5,501	-	1,073	-	406	1,347	1,527	1,148
DEPARTMENT OF THE ARMY	1,757	-	700	-	-	46	373	638
DEPARTMENT OF THE NAVY	1,031	-	-	-	-	-	1,031	-
DEFENSE AGENCIES	2,574	-	316	-	406	1,287	55	510
DEPARTMENTWIDE FUNDS	139	-	57	-	-	14	68	-
DEPT OF HEALTH, EDU & WELFARE, TOTAL	110,675	4,299	23,208	572	1,143	1,368	28,449	51,076
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	17,575	2,524	114	572	1,143	114	6,461	6,647
HEALTH RESOURCES ADMINISTRATION	9,000	-	5,156	-	-	1,254	1,950	700
NATIONAL INSTITUTE OF EDUCATION	4,068	-	-	-	-	-	-	4,068
NATIONAL INSTITUTES OF HEALTH	11,289	-	-	-	-	-	-	11,289
OFFICE OF EDUCATION	5,266	-	-	-	-	-	-	5,266
OFFICE OF HUMAN DEVELOPMENT	4,034	1,775	-	-	-	-	2,259	-
OFFICE OF ASS'T SECTY FOR EDUCATION	550	-	-	-	-	-	-	550
OFFICE OF THE SECRETARY	26,229	-	18,098	-	-	-	8,131	-
SOCIAL AND REHABILITATION SERVICE	9,648	-	-	-	-	-	9,648	-
SOCIAL SECURITY ADMINISTRATION	22,500	-	-	-	-	-	-	22,500
DEPT OF HOUSING & URBAN DEVELOPMENT	28,661	-	11,925	-	-	4,525	2,281	10,830
DEPARTMENT OF THE INTERIOR, TOTAL	5,755	3,179	917	69	-	730	576	284
BUREAU OF LAND MANAGEMENT	69	-	-	69	-	-	-	-
BUREAU OF OUTDOOR RECREATION	22	-	-	-	-	-	-	20
BUREAU OF RECLAMATION	184	-	85	-	-	-	99	-
NATIONAL PARK SERVICE	3,363	3,162	19	-	-	-	182	20
OFFICE OF WATER RES AND TECHNOLOGY	2,129	17	813	-	-	730	315	264
DEPARTMENT OF JUSTICE, TOTAL	11,817	-	-	-	-	-	11,817	-
LAW ENFORCEMENT ASSISTANCE ADMIN	11,817	-	-	-	-	-	11,817	-
DEPARTMENT OF LABOR, TOTAL	14,780	-	14,157	-	-	-	623	-
BUREAU OF LABOR STATISTICS	733	-	733	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	6,631	-	6,008	-	-	-	623	-
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	-	3,240	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	814	-	814	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,374	-	1,374	-	-	-	-	-
OFFICE OF THE SECRETARY	1,988	-	1,988	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,688	-	2,390	-	-	743	2,555	-
DEPARTMENTAL FUNDS	743	-	-	-	-	743	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,945	-	2,390	-	-	-	2,555	-
DEPT OF TRANSPORTATION, TOTAL	1,491	-	737	-	-	449	265	-
FEDERAL AVIATION ADMINISTRATION	323	-	323	-	-	-	-	-
NATL HIGHWAY TRAFFIC SAFETY ADMIN	780	-	370	-	-	410	-	-
OFFICE OF THE SECRETARY	388	-	44	-	-	39	265	-
OTHER AGENCIES								
ACTION	155	-	12	-	-	-	143	-
ADV COMM ON INTERGOVERNMTL RELATIONS	1,238	-	707	-	-	531	-	-
CIVIL AERONAUTICS BOARD	417	-	417	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	237	-	-	-	-	-	237	-
CONSUMER PRODUCT SAFETY COMMISSION	773	-	773	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,640	-	4,400	-	-	-	1,240	-
FEDERAL COMMUNICATIONS COMMISSION	461	-	461	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	663	-	663	-	-	-	-	-
FEDERAL TRADE COMMISSION	934	-	934	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	65	-	-	-	-	65	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	961	-	596	72	-	235	-	58
NATIONAL SCIENCE FOUNDATION	40,319	2,659	7,790	949	1,500	1,547	2,777	22,111
OFFICE OF TELECOMMUNICATIONS POLICY	883	-	783	-	-	-	100	-
SMALL BUSINESS ADMINISTRATION	172	-	172	-	-	-	-	-
SMITHSONIAN INSTITUTION	7,643	2,687	-	4,956	-	-	-	-
TENNESSEE VALLEY AUTHORITY	79	-	79	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	153	-	-	-	-	153	-	-
VETERANS ADMINISTRATION	226	28	-	-	-	-	174	26

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-27. FEDERAL OBLIGATIONS FOR RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	SOCIAL SCIENCES						
		ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	369,639	14,756	153,096	7,605	3,086	11,777	61,907	112,027
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	57,510	-	54,039	420	-	-	2,181	881
AGRICULTURAL RESEARCH SERVICE	1,563	-	1,480	-	-	-	9	74
COOPERATIVE STATE RESEARCH SERVICE	25,400	-	24,355	-	-	-	1,345	-
ECONOMIC RESEARCH SERVICE	24,738	-	23,621	420	-	-	308	531
FARMER COOPERATIVE SERVICE	1,659	-	1,659	-	-	-	-	-
FOREST SERVICE	4,591	-	3,994	-	-	-	320	271
DEPARTMENT OF COMMERCE, TOTAL	8,457	-	8,257	-	-	-	200	-
BUREAU OF THE CENSUS	416	-	216	-	-	-	200	-
ECONOMIC DEVELOPMENT ADMINISTRATION	2,000	-	2,000	-	-	-	-	-
MARITIME ADMINISTRATION	394	-	394	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,289	-	5,289	-	-	-	-	-
OFFICE OF MINORITY BUSINESS ENTERP	358	-	358	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	4,884	7	926	-	399	985	1,633	952
DEPARTMENT OF THE ARMY	1,998	7	750	-	-	57	932	752
DEPARTMENT OF THE NAVY	1,131	-	-	-	-	-	1,131	-
DEFENSE AGENCIES	1,612	-	120	-	399	893	-	200
DEPARTMENTWIDE FUNDS	143	-	58	-	-	15	70	-
DEPT OF HEALTH, ED. & WELFARE, TOTAL	125,305	4,462	23,776	580	1,162	1,677	68,497	65,151
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	17,576	4,599	115	580	1,162	117	6,933	4,610
HEALTH RESOURCES ADMINISTRATION	11,298	-	6,995	-	-	1,560	2,391	900
NATIONAL INSTITUTE OF EDUCATION	10,917	-	-	-	-	-	-	10,917
NATIONAL INSTITUTES OF HEALTH	14,556	-	-	-	-	-	-	12,556
OFFICE OF EDUCATION	7,733	-	-	-	-	-	-	7,733
OFFICE OF HUMAN DEVELOPMENT	9,892	1,903	-	-	-	-	6,739	-
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037
OFFICE OF THE SECRETARY	24,950	-	17,216	-	-	-	7,734	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	25,698	-	-	-	-	-	-	25,698
DEPT OF HOUSING & URBAN DEVELOPMENT	32,978	-	21,613	-	-	9,500	2,503	11,365
DEPARTMENT OF THE INTERIOR, TOTAL	8,068	3,692	740	-	-	619	349	418
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	-	20
BUREAU OF RECLAMATION	191	30	85	-	-	-	76	-
NATIONAL PARK SERVICE	4,056	3,648	15	-	-	-	206	187
OFFICE OF WATER RES AND TECHNOLOGY	1,801	14	590	-	-	619	267	211
DEPARTMENT OF JUSTICE, TOTAL	24,321	-	4,642	-	-	-	19,679	-
LAW ENFORCEMENT ASSISTANCE ADMIN	22,321	-	2,642	-	-	-	19,679	-
DEPARTMENT OF LABOR, TOTAL	19,938	-	19,440	-	-	-	498	-
BUREAU OF LABOR STATISTICS	620	-	620	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	6,415	-	5,917	-	-	-	498	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	-	5,433	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	2,790	-	2,790	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,300	-	2,300	-	-	-	-	-
OFFICE OF THE SECRETARY	2,380	-	2,380	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,536	-	3,753	-	-	1,013	770	-
DEPARTMENTAL FUNDS	1,013	-	-	-	-	1,013	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,523	-	3,753	-	-	-	770	-
DEPT OF TRANSPORTATION, TOTAL	1,291	-	704	-	-	502	87	-
FEDERAL AVIATION ADMINISTRATION	283	-	283	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	895	-	405	-	-	490	-	-
OFFICE OF THE SECRETARY	113	-	16	-	-	12	87	-
OTHER AGENCIES								
ACTION	395	-	-	-	-	-	380	15
ADV COMM ON INTERGOVERNMTL RELATIONS	1,261	-	700	-	-	561	-	-
CIVIL AERONAUTICS BOARD	456	-	456	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	680	-	680	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	9,000	-	9,000	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,300	-	4,000	-	-	-	1,300	-
FEDERAL COMMUNICATIONS COMMISSION	968	-	968	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	929	-	929	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	782	-	782	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,200	-	1,200	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,428	-	1,244	-	-	188	-	96
NATIONAL SCIENCE FOUNDATION	52,585	9,025	8,160	930	1,525	1,600	3,200	33,175
OFFICE OF TELECOMMUNICATIONS POLICY	597	-	347	-	-	-	250	-
SMALL BUSINESS ADMINISTRATION	550	-	550	-	-	-	-	-
SMITHSONIAN INSTITUTION	8,248	2,593	-	5,735	-	-	-	-
TENNESSEE VALLEY AUTHORITY	113	-	113	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	180	-	-	-	-	180	-	-
VETERANS ADMINISTRATION	238	27	-	-	-	-	183	28

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-28. FEDERAL OBLIGATIONS FOR RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	SOCIAL SCIENCES						
		ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES, NEC
TOTAL, ALL AGENCIES	282,859	16,790	160,977	9,229	2,779	13,869	58,575	120,649
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	59,484	-	56,332	426	-	-	2,299	907
AGRICULTURAL RESEARCH SERVICE	1,635	-	1,548	-	-	-	4	83
COOPERATIVE STATE RESEARCH SERVICE	27,185	-	25,749	-	-	-	1,440	-
ECONOMIC RESEARCH SERVICE	25,942	-	23,565	426	-	-	912	539
FARMER COOPERATIVE SERVICE	1,672	-	1,672	-	-	-	-	-
FOREST SERVICE	4,826	-	4,798	-	-	-	343	285
DEPARTMENT OF COMMERCE, TOTAL	7,970	-	7,736	-	-	-	234	-
BUREAU OF THE CENSUS	482	-	258	-	-	-	224	-
ECONOMIC DEVELOPMENT ADMINISTRATION	650	-	650	-	-	-	-	-
MARITIME ADMINISTRATION	362	-	362	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	6,111	-	6,111	-	-	-	-	-
OFFICE OF MINORITY BUSINESS ENTERP	365	-	365	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	4,054	-	759	-	-	924	1,673	900
DEPARTMENT OF THE ARMY	1,903	-	575	-	-	28	480	820
DEPARTMENT OF THE NAVY	1,392	-	-	-	-	-	1,392	-
DEFENSE AGENCIES	715	-	190	-	-	485	-	80
DEPARTMENTWIDE FUNDS	84	-	34	-	-	9	41	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	136,935	2,787	27,230	477	954	1,599	28,101	74,827
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	15,294	2,108	94	477	354	95	4,769	6,747
HEALTH RESOURCES ADMINISTRATION	9,757	-	6,249	-	-	1,404	2,294	-
NATIONAL INSTITUTE OF EDUCATION	22,342	-	-	-	-	-	-	22,342
NATIONAL INSTITUTES OF HEALTH	12,065	-	-	-	-	-	-	12,065
OFFICE OF EDUCATION	5,678	-	-	-	-	-	-	5,678
OFFICE OF HUMAN DEVELOPMENT	4,094	1,679	-	-	-	-	2,415	-
OFFICE OF ASST SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037
OFFICE OF THE SECRETARY	30,560	-	21,087	-	-	-	9,473	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	26,958	-	-	-	-	-	-	26,958
DEPT OF HOUSING & URBAN DEVELOPMENT	39,590	-	30,490	-	-	6,400	3,400	9,300
DEPARTMENT OF THE INTERIOR, TOTAL	9,222	3,769	760	-	-	690	598	405
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	-	20
BUREAU OF RECLAMATION	139	-	89	-	-	-	50	-
NATIONAL PARK SERVICE	4,222	3,754	10	-	-	-	288	170
OFFICE OF WATER RES AND TECHNOLOGY	1,850	15	570	-	-	690	260	215
DEPARTMENT OF JUSTICE, TOTAL	18,173	-	1,009	1,077	-	96	16,204	37
BUREAU OF PRISONS	183	-	9	-	-	96	91	37
LAW ENFORCEMENT ASSISTANCE ADMIN	17,990	-	1,000	1,077	-	-	15,913	-
DEPARTMENT OF LABOR, TOTAL	22,709	-	22,173	-	-	-	536	-
BUREAU OF LABOR STATISTICS	743	-	743	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	9,259	-	8,723	-	-	-	536	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	-	5,450	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	2,757	-	2,757	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	6,300	-	6,300	-	-	-	-	-
OFFICE OF THE SECRETARY	2,200	-	2,200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,497	-	2,470	-	-	1,014	328	1,685
DEPARTMENTAL FUNDS	1,014	-	-	-	-	1,014	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,483	-	2,470	-	-	-	328	1,685
DEPT OF TRANSPORTATION, TOTAL	1,356	-	747	-	-	532	77	-
FEDERAL AVIATION ADMINISTRATION	310	-	310	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	949	-	425	-	-	520	-	-
OFFICE OF THE SECRETARY	101	-	12	-	-	12	77	-
OTHER AGENCIES								
ACTION	50	-	-	-	-	-	50	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,402	-	701	-	-	701	-	-
CIVIL AERONAUTICS BOARD	483	-	483	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	200	-	200	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	9,000	-	9,000	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	9,600	-	4,400	-	-	-	1,200	-
FEDERAL COMMUNICATIONS COMMISSION	701	-	701	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	629	-	629	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,270	-	1,270	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,380	-	1,178	-	-	160	-	42
NATIONAL SCIENCE FOUNDATION	54,827	4,465	9,650	900	1,825	2,000	3,500	32,917
OFFICE OF TELECOMMUNICATIONS POLICY	385	-	185	-	-	-	200	-
SMALL BUSINESS ADMINISTRATION	550	-	550	-	-	-	-	-
SMITHSONIAN INSTITUTION	11,088	4,744	-	6,344	-	-	-	-
TENNESSEE VALLEY AUTHORITY	194	-	194	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	415	-	170	-	-	245	-	-
VETERANS ADMINISTRATION	225	25	-	-	-	-	175	25

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-29. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL [1]	EXTRAMURAL							
			UNITED STATES AND POSSESSIONS							
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	2,145,834	844,742	72,381	32,867	1,065,401	205,238	97,318	4,260	11,801	11,826
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	154,184	107,477	439	-	43,290	-	79	66	185	2,648
AGRICULTURAL RESEARCH SERVICE	91,192	86,918	57	-	1,482	-	79	-	8	2,648
COOPERATIVE STATE RESEARCH SERVICE	38,434	1,200	-	-	37,084	-	-	-	150	-
ECONOMIC RESEARCH SERVICE	3,156	3,150	-	-	56	-	-	-	-	-
FOREST SERVICE	21,098	15,973	382	-	4,650	-	-	66	27	-
STATISTICAL REPORTING SERVICE	204	246	-	-	18	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	20,065	17,168	1,404	-	1,495	-	-	-	-	-
BUREAU OF THE CENSUS	218	103	-	-	115	-	-	-	-	-
MARITIME ADMINISTRATION	1,706	192	1,404	-	111	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	5,253	4,845	-	-	508	-	-	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	700	495	-	-	205	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	11,956	11,400	-	-	556	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	132	132	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	235,515	98,096	32,525	-	95,390	1,258	5,303	375	-	2,068
DEPARTMENT OF THE ARMY	37,281	16,418	3,601	-	15,566	-	1,098	-	-	596
DEPARTMENT OF THE NAVY	88,117	33,788	7,952	-	43,795	238	1,912	-	-	532
DEPARTMENT OF THE AIR FORCE	79,285	43,661	11,065	-	22,922	-	197	-	-	940
DEFENSE AGENCIES	30,732	4,779	9,907	-	13,055	1,020	2,096	375	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	591,972	117,703	2,197	-	296,293	1,198	64,159	212	10,675	3,535
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	66,245	19,584	2,041	-	32,586	-	7,983	39	3,512	500
HEALTH SERVICES ADMINISTRATION	1,218	449	-	-	-	-	-	-	-	769
NATIONAL INSTITUTE OF EDUCATION	1,894	1,476	-	-	245	-	173	-	-	-
NATIONAL INSTITUTES OF HEALTH	516,745	93,038	-	-	257,318	1,198	55,589	173	7,163	2,266
OFFICE OF THE SECRETARY	4,068	1,354	156	-	2,144	-	414	-	-	-
SOCIAL SECURITY ADMINISTRATION	1,802	1,802	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	109,906	100,304	1,242	-	8,063	-	-	-	297	-
BUREAU OF MINES	1,935	1,800	-	-	135	-	-	-	-	-
BUREAU OF RECLAMATION	44	44	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	93,568	89,430	166	-	3,972	-	-	-	-	-
NATIONAL PARK SERVICE	628	199	-	-	429	-	-	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	3,855	443	601	-	2,799	-	-	-	12	-
US FISH AND WILDLIFE SERVICE	9,876	8,388	475	-	728	-	-	-	285	-
DEPARTMENT OF JUSTICE, TOTAL	9,465	196	-	-	6,351	-	1,967	951	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	9,465	196	-	-	6,351	-	1,967	951	-	-
DEPARTMENT OF LABOR, TOTAL	877	241	-	-	636	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	543	64	-	-	479	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	334	177	-	-	157	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	1,500	1,500	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,500	1,500	-	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	75	75	-	-	-	-	-	-	-	-
UNITED STATES COAST GUARD	75	75	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	115	20	59	-	36	-	-	-	-	-
CIVIL SERVICE COMMISSION	559	559	-	-	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	247,016	195	96	31,375	57,511	156,213	105	1,524	-	-
ENVIRONMENTAL PROTECTION AGENCY	17,400	870	-	-	15,730	-	800	-	-	-
GENERAL SERVICES ADMINISTRATION	284	60	7	-	-	-	217	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	241,891	135,100	27,582	4	64,548	9,113	4,236	398	25	888
NATIONAL SCIENCE FOUNDATION	485,589	37,575	6,495	1,488	378,721	37,462	20,208	734	619	2,687
OFFICE OF TELECOMMUNICATIONS POLICY	156	2	337	-	17	-	-	-	-	-
SMITHSONIAN INSTITUTION	24,785	23,244	-	-	1,370	-	171	-	-	-
VETERANS ADMINISTRATION	3,880	3,807	-	-	-	-	73	-	-	-

[1] INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-30. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	EXTRAMURAL: UNITED STATES AND TERRITORIES: FFRDCS ADMIN BY INDUSTRIAL FIRMS	EXTRAMURAL: UNITED STATES AND TERRITORIES: UNIVERSITIES & COLLEGES	EXTRAMURAL: UNITED STATES AND TERRITORIES: FFRDCS ADMIN BY UNIVS & COLLEGES	EXTRAMURAL: UNITED STATES AND TERRITORIES: OTHER NON-PROFIT INSTITUTIONS	EXTRAMURAL: UNITED STATES AND TERRITORIES: FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	EXTRAMURAL: UNITED STATES AND TERRITORIES: STATE AND LOCAL GOVTS	EXTRAMURAL: FOREIGN
TOTAL, ALL AGENCIES	2,349,120	692,201	89,627	35,651	1,156,493	232,797	108,217	4,335	13,934	13,695
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	176,509	123,938	375	-	49,148	-	-	65	197	3,286
AGRICULTURAL RESEARCH SERVICE	107,015	101,312	-	-	2,417	-	-	-	-	3,286
COOPERATIVE STATE RESEARCH SERVICE	43,413	1,466	-	-	41,780	-	-	-	167	-
ECONOMIC RESEARCH SERVICE	3,706	3,033	-	-	73	-	-	-	-	-
FOREST SERVICE	21,548	16,588	375	-	4,860	-	-	65	30	-
STATISTICAL REPORTING SERVICE	457	439	-	-	18	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	14,041	10,319	1,508	-	1,214	-	-	-	-	-
BUREAU OF THE CENSUS	205	55	-	-	150	-	-	-	-	-
MARITIME ADMINISTRATION	1,606	98	1,508	-	-1	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	5,587	5,479	-	-	508	-	-	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	765	545	-	-	200	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	10,409	10,049	-	-	356	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	123	123	-	-	-1	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	459,698	109,147	39,504	-	107,071	453	6,003	1,045	-	1,678
DEPARTMENT OF THE ARMY	39,812	14,852	1,763	-	20,459	-	2,068	-	-	475
DEPARTMENT OF THE NAVY	96,871	39,909	8,730	-	45,130	113	2,464	-	-	521
DEPARTMENT OF THE AIR FORCE	53,261	43,425	12,275	-	27,601	-	314	-	-	652
DEFENSE AGENCIES	34,490	5,961	11,733	-	14,222	340	1,159	1,045	-	30
DEPT OF HEALTH, ED, & WELFARE, TOTAL	670,366	132,496	2,371	-	495,032	1,321	72,485	189	12,021	3,901
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	67,896	21,047	1,849	-	33,539	-	6,706	-	3,850	905
HEALTH SERVICES ADMINISTRATION	788	315	-	-	-1	-	-	-	-	273
NATIONAL INSTITUTE OF EDUCATION	9,121	820	298	-	1,371	-	2,019	-	613	-
NATIONAL INSTITUTES OF HEALTH	588,569	105,825	-	-	427,153	1,321	63,200	189	8,158	2,723
OFFICE OF THE SECRETARY	5,601	1,898	224	-	2,969	-	560	-	-	-
SOCIAL SECURITY ADMINISTRATION	2,391	2,391	-	-	-1	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	113,079	104,342	787	-	7,820	-	-	-	130	-
BUREAU OF MINES	900	800	-	-	100	-	-	-	-	-
BUREAU OF RECLAMATION	391	59	-	-	-1	-	-	-	-	-
GEOLOGICAL SURVEY	97,301	93,233	186	-	3,882	-	-	-	-	-
NATIONAL PARK SERVICE	534	196	-	-	338	-	-	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	3,811	928	601	-	2,767	-	-	-	15	-
US FISH AND WILDLIFE SERVICE	10,474	9,626	-	-	733	-	-	-	115	-
DEPARTMENT OF JUSTICE, TOTAL	8,362	200	-	-	4,649	-	3,045	468	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	8,362	200	-	-	4,649	-	3,045	468	-	-
DEPARTMENT OF LABOR, TOTAL	1,677	364	207	-	899	-	207	-	-	-
EMPLOYMENT AND TRAINING ADMIN	553	68	-	-	485	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	1,124	296	207	-	414	-	207	-	-	-
DEPARTMENT OF STATE, TOTAL	1,700	1,700	-	-	-1	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,700	1,700	-	-	-1	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	75	75	-	-	-1	-	-	-	-	-
UNITED STATES COAST GUARD	75	75	-	-	-1	-	-	-	-	-
OTHER AGENCIES										
ACTION	280	20	140	-	205	-	-	-	15	-
CIVIL SERVICE COMMISSION	576	378	-	-	-1	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	274,259	466	116	34,326	61,718	175,963	183	1,767	-	-
ENVIRONMENTAL PROTECTION AGENCY	19,100	955	-	-	17,045	-	1,100	-	-	-
GENERAL SERVICES ADMINISTRATION	60	60	-	-	-1	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	243,602	139,216	42,477	4	52,904	8,322	9,440	400	26	813
NATIONAL SCIENCE FOUNDATION	529,737	42,831	7,281	1,321	407,702	44,738	22,551	401	945	3,967
OFFICE OF TELECOMMUNICATIONS POLICY	2,261	2	64	-	831	-	77	-	-	-
SMITHSONIAN INSTITUTION	27,491	26,189	-	-	963	-	89	-	-	-
VETERANS ADMINISTRATION	4,150	4,113	-	-	-1	-	37	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-31. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: INDUSTRIAL FIRMS	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: FEDDOCS ADMIN BY INDUSTRIAL FIRMS	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: UNIVERSITIES & COLLEGES	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: FEDDOCS ADMIN BY UNIVS & COLLEGES	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: OTHER NON-PROFIT INSTITUTIONS	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: FEDDOCS ADMIN BY NON-PROFIT INSTITUTIONS	EXTRAMURAL: UNITED STATES AND ITS INSTITUTIONS: STATE AND LOCAL GOVTS	EXTRAMURAL: FOREIGN
TOTAL, ALL AGENCIES	2,519,479	727,074	123,205	30,669	1,242,681	239,763	112,506	9,841	14,139	16,351
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	185,667	128,922	375	-	52,111	-	-	65	222	3,972
AGRICULTURAL RESEARCH SERVICE	111,932	105,943	-	-	2,917	-	-	-	-	3,972
COOPERATIVE STATE RESEARCH SERVICE	46,471	1,631	-	-	44,648	-	-	-	192	-
ECONOMIC RESEARCH SERVICE	3,760	3,683	-	-	73	-	-	-	-	-
FOREST SERVICE	23,045	17,020	375	-	4,955	-	-	65	30	-
STATISTICAL REPORTING SERVICE	463	445	-	-	18	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	20,252	17,741	1,323	-	1,188	-	-	-	-	-
BUREAU OF THE CENSUS	220	40	-	-	180	-	-	-	-	-
MARITIME ADMINISTRATION	1,473	100	1,323	-	50	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	6,173	5,665	-	-	508	-	-	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	648	448	-	-	200	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	11,597	11,347	-	-	250	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	141	141	-	-	-1	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	291,033	113,047	57,619	-	110,235	692	7,191	1,025	-	1,826
DEPARTMENT OF THE ARMY	45,695	17,433	1,896	-	22,692	-	2,798	-	-	876
DEPARTMENT OF THE NAVY	115,693	48,378	9,221	-	54,322	640	2,993	-	-	429
DEPARTMENT OF THE AIR FORCE	92,800	43,189	27,052	-	21,088	-	150	-	-	721
DEFENSE AGENCIES	36,845	4,047	18,740	-	12,583	452	1,250	1,025	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	670,876	134,795	2,655	-	490,208	1,506	13,056	188	12,829	9,769
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	64,628	23,184	1,850	-	29,235	-	5,979	-	3,450	930
HEALTH SERVICES ADMINISTRATION	2,259	565	-	-	-1	-	-	-	-	1,694
NATIONAL INSTITUTE OF EDUCATION	9,443	1,427	520	-	2,785	-	2,636	-	1,275	-
NATIONAL INSTITUTES OF HEALTH	585,263	105,128	-	-	404,474	1,306	62,744	188	8,134	3,139
OFFICE OF THE SECRETARY	7,120	2,350	285	-	3,774	-	711	-	-	-
SOCIAL SECURITY ADMINISTRATION	2,343	2,343	-	-	-1	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	108,092	101,288	760	-	5,919	-	-	109	-	-
BUREAU OF MINES	700	700	-	-	-1	-	-	-	-	-
BUREAU OF RECLAMATION	64	64	-	-	-1	-	-	-	-	-
GEOLOGICAL SURVEY	92,110	90,360	180	-	1,870	-	-	-	-	-
NATIONAL PARK SERVICE	590	197	-	-	353	-	-	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	3,950	450	600	-	2,905	-	-	15	-	-
US FISH AND WILDLIFE SERVICE	10,718	9,857	-	-	791	-	-	90	-	-
DEPARTMENT OF JUSTICE, TOTAL	8,680	1,250	-	-	4,434	-	2,726	270	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	8,680	1,250	-	-	4,434	-	2,726	270	-	-
DEPARTMENT OF LABOR, TOTAL	1,677	365	237	-	898	-	237	-	-	-
EMPLOYMENT AND TRAINING ADMIN	553	68	-	-	485	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	1,124	297	237	-	413	-	237	-	-	-
DEPARTMENT OF STATE, TOTAL	1,700	1,700	-	-	-1	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,700	1,700	-	-	-1	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	75	75	-	-	-1	-	-	-	-	-
UNITED STATES COAST GUARD	75	75	-	-	-1	-	-	-	-	-
OTHER AGENCIES										
ACTION	50	20	30	-	-1	-	-	-	-	-
CIVIL SEAVICE COMMISSION	527	527	-	-	-1	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	289,234	275	112	30,952	66,961	183,154	200	2,076	-	-
ENVIRONMENTAL PROTECTION AGENCY	17,000	850	-	-	15,650	-	500	-	-	-
GENERAL SERVICES ADMINISTRATION	85	60	-	-	-1	-	25	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	255,697	137,845	91,071	4	52,904	8,385	4,560	400	28	800
NATIONAL SCIENCE FOUNDATION	630,531	52,507	9,045	1,608	490,494	46,528	22,593	817	950	3,789
OFFICE OF TELECOMMUNICATIONS POLICY	200	2	98	100	501	-	-	-	-	-
SMITHSONIAN INSTITUTION	33,413	30,748	-	-	2,264	-	401	-	-	-
VETERANS ADMINISTRATION	4,080	4,043	-	-	-1	-	37	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-32. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL FIELDS	2,145,834	2,345,120	2,519,479
LIFE SCIENCES, TOTAL	775,989	876,860	908,590
BIOLOGICAL	612,141	689,106	718,979
CLINICAL MEDICAL	30,586	34,349	37,249
OTHER MEDICAL SCIENCES	110,200	127,575	126,537
LIFE SCIENCES, NEC	23,062	25,830	25,825
PSYCHOLOGY, TOTAL	48,497	50,596	53,069
BIOLOGICAL ASPECTS	24,723	25,549	25,748
SOCIAL ASPECTS	21,540	21,730	22,623
PSYCHOLOGICAL SCIENCES, NEC	2,234	3,317	4,698
PHYSICAL SCIENCES, TOTAL	610,010	639,607	718,442
ASTRONOMY	131,266	123,600	142,591
CHEMISTRY	157,653	177,291	188,160
PHYSICS	310,781	347,930	375,919
PHYSICAL SCIENCES, NEC	8,310	10,786	11,772
ENVIRONMENTAL SCIENCES, TOTAL	331,069	356,859	389,670
ATMOSPHERIC SCIENCES	115,989	127,924	139,395
GEOLOGICAL SCIENCES	127,846	138,944	148,224
OCEANOGRAPHY (EXCLUDING BIOLOGICAL)	82,336	85,921	97,564
ENVIRONMENTAL SCIENCES, NEC	4,898	4,569	4,487
MATHEMATICS	58,549	62,390	70,536
ENGINEERING, TOTAL	227,871	238,422	266,444
AERONAUTICAL	28,574	30,342	33,245
ASTRONAUTICAL	11,395	10,181	10,998
CHEMICAL	13,147	13,645	15,714
CIVIL	7,309	7,535	7,762
ELECTRICAL	39,475	42,546	49,479
MECHANICAL	12,841	13,260	16,021
METALLURGY & MATERIALS	86,075	95,018	106,114
ENGINEERING, NEC	29,055	25,895	27,111
SOCIAL SCIENCES, TOTAL	72,815	86,982	98,879
ANTHROPOLOGY	6,984	7,197	9,618
ECONOMICS	22,066	25,609	29,001
HISTORY	5,999	6,700	7,312
LINGUISTICS	2,108	1,752	1,961
POLITICAL SCIENCE	1,607	1,692	2,050
SOCIOLOGY	13,000	16,854	16,858
SOCIAL SCIENCES, NEC	19,051	27,178	32,079
OTHER SCIENCES, NEC	15,028	13,465	13,849

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-33. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	2,145,834	775,989	90,497	616,016	331,089	58,[illegible]	227,671	72,815	15,068
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	154,484	108,885	-	19,955	2,864	1,042	8,954	12,484	-
AGRICULTURAL RESEARCH SERVICE	91,192	67,619	-	16,177	894	140	6,119	237	-
COOPERATIVE STATE RESEARCH SERVICE	38,434	26,412	-	1,922	240	-	1,317	8,545	-
ECONOMIC RESEARCH SERVICE	3,196	-	-	-	-	-	-	3,196	-
FOREST SERVICE	21,098	14,856	-	1,856	1,730	632	1,518	506	-
STATISTICAL REPORTING SERVICE	564	-	-	-	-	264	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	20,065	-	80	4,379	11,956	127	2,812	111	700
BUREAU OF THE CENSUS	418	-	80	-	-	127	-	111	-
MARITIME ADMINISTRATION	1,706	-	-	-	-	-	1,706	-	-
NATIONAL BUREAU OF STANDARDS	5,353	-	-	4,379	-	-	974	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	700	-	-	-	-	-	-	-	700
NATIONAL OCEANIC AND ATMOS ADMIN	11,956	-	-	-	11,956	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	432	-	-	-	-	-	432	-	-
DEPARTMENT OF DEFENSE, TOTAL	235,519	24,297	9,492	52,374	59,685	19,934	72,874	1,734	178
DEPARTMENT OF THE ARMY	37,281	12,899	1,790	5,981	3,616	1,491	11,929	75	-
DEPARTMENT OF THE NAVY	88,117	9,433	3,688	20,488	29,050	5,415	13,015	1,031	-
DEPARTMENT OF THE AIR FORCE	35,385	1,968	1,971	17,762	21,919	4,438	31,827	-	-
DEFENSE AGENCIES	20,732	-	2,493	2,643	100	8,587	16,103	628	178
DEPT OF HEALTH, ED, & WELFARE, TOTAL	551,972	506,256	27,894	30,809	-	5,124	9,765	15,851	3,238
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	66,245	37,456	19,074	323	-	535	-	7,717	1,140
HEALTH SERVICES ADMINISTRATION	1,218	1,218	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	1,894	-	-	-	-	-	-	1,894	-
NATIONAL INSTITUTES OF HEALTH	516,745	467,582	8,820	30,541	-	2,569	4,765	370	2,098
OFFICE OF THE SECRETARY	4,068	-	-	-	-	-	-	4,068	-
SOCIAL SECURITY ADMINISTRATION	1,802	-	-	-	-	-	-	1,802	-
DEPARTMENT OF THE INTERIOR, TOTAL	109,906	10,974	-	6,598	89,931	911	1,285	911	96
BUREAU OF MINES	1,935	-	-	1,385	100	-	750	-	-
BUREAU OF RECLAMATION	446	-	-	-	-	-	446	-	-
GEOLOGICAL SURVEY	93,568	-	-	5,168	87,506	894	-	-	-
NATIONAL PARK SERVICE	628	495	-	-	53	-	-	80	-
OFFICE OF WATER RES AND TECHNOLOGY	3,855	603	-	345	1,772	17	491	531	96
US FISH AND WILDLIFE SERVICE	9,876	9,876	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	9,465	-	-	-	-	-	-	6,342	3,123
LAW ENFORCEMENT ASSISTANCE ADMIN	9,465	-	-	-	-	-	-	6,342	3,123
DEPARTMENT OF LABOR, TOTAL	877	-	43	-	-	-	-	834	-
EMPLOYMENT AND TRAINING ADMIN	543	-	43	-	-	-	-	500	-
LABOR-MANAGEMENT SERVICES ADMIN	334	-	-	-	-	-	-	334	-
DEPARTMENT OF STATE, TOTAL	1,500	1,500	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,500	1,500	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	751	-	-	-	751	-	-	-	-
UNITED STATES COAST GUARD	751	-	-	-	751	-	-	-	-
OTHER AGENCIES									
ACTION	115	-	12	-	-	-	-	103	-
CIVIL SERVICE COMMISSION	559	-	559	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	247,016	-	-	203,798	2,369	5,932	35,317	-	-
ENVIRONMENTAL PROTECTION AGENCY	17,400	10,600	-	5,100	1,300	-	400	-	-
GENERAL SERVICES ADMINISTRATION	284	-	-	-	-	-	224	-	60
NATIONAL AERONAUTICS & SPACE ADMIN	241,891	7,005	1,743	151,119	43,623	564	36,469	951	1,306
NATIONAL SCIENCE FOUNDATION	485,989	91,576	8,474	137,581	123,218	27,341	69,445	27,127	6,227
OFFICE OF TELECOMMUNICATIONS POLICY	356	30	-	-	-	-	326	-	-
SMITHSONIAN INSTITUTION	24,785	11,346	-	4,298	1,548	-	-	7,643	-
VETERANS ADMINISTRATION	3,880	3,520	250	-	-	-	-	10	100

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-39. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSYCHOLOGY	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHEMATICS	ENGINEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	2,295,120	870,860	50,596	659,607	256,858	62,390	238,422	86,982	13,405
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	176,509	129,617	-	23,082	3,117	1,284	10,240	14,163	-
AGRICULTURAL RESEARCH SERVICE	147,015	79,352	-	18,984	1,049	171	7,181	278	-
COOPERATIVE STATE RESEARCH SERVICE	43,943	29,852	-	2,170	271	-	1,460	9,652	-
ECONOMIC RESEARCH SERVICE	3,706	-	-	-	-	-	-	3,706	-
FOREST SERVICE	21,918	19,933	-	1,928	1,797	696	1,977	527	-
STATISTICAL REPORTING SERVICE	457	-	-	-	-	457	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	15,041	-	74	4,910	10,409	118	2,806	13	715
BUREAU OF THE CENSUS	205	-	74	-	-	118	-	13	-
MARITIME ADMINISTRATION	1,606	-	-	-	-	-	1,606	-	-
NATIONAL BUREAU OF STANDARDS	5,987	-	-	4,910	-	-	1,077	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	715	-	-	-	-	-	-	-	715
NATIONAL OCEANIC AND ATMOS ADMIN	10,409	-	-	-	10,409	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	123	-	-	-	-	-	123	-	-
DEPARTMENT OF DEFENSE, TOTAL	254,878	49,260	6,805	58,510	62,062	20,727	75,642	1,257	634
DEPARTMENT OF THE ARMY	39,615	15,349	2,413	5,380	4,629	2,967	8,791	126	-
DEPARTMENT OF THE NAVY	96,887	11,923	2,260	27,888	33,235	6,106	14,324	1,131	-
DEPARTMENT OF THE AIR FORCE	83,926	2,028	1,601	18,792	24,198	4,999	32,308	-	-
DEFENSE AGENCIES	34,450	-	531	4,450	-	6,655	20,219	-	634
DEPT OF HEALTH, ED, & WELFARE, TOTAL	870,366	571,450	30,121	39,210	-	3,469	5,432	21,161	3,523
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	67,896	38,111	20,061	407	-	543	-	7,627	1,127
HEALTH SERVICES ADMINISTRATION	788	788	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	5,121	-	-	-	-	-	-	5,121	-
NATIONAL INSTITUTES OF HEALTH	588,569	532,551	10,060	34,803	-	2,926	5,432	421	2,396
OFFICE OF THE SECRETARY	5,601	-	-	-	-	-	-	5,601	-
SOCIAL SECURITY ADMINISTRATION	2,391	-	-	-	-	-	-	2,391	-
DEPARTMENT OF THE INTERIOR, TOTAL	113,077	11,274	-	7,030	91,918	971	969	593	269
BUREAU OF MINES	903	-	-	765	-	-	139	-	-
BUREAU OF RECLAMATION	591	-	-	-	-	-	591	-	-
GEOLOGICAL SURVEY	97,301	-	-	5,972	90,372	957	-	-	-
NATIONAL PARK SERVICE	534	388	-	-	43	-	-	103	-
OFFICE OF WATER RES AND TECHNOLOGY	5,611	512	-	293	1,523	14	775	450	269
US FISH AND WILDLIFE SERVICE	10,474	10,474	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	6,362	-	-	-	-	-	-	6,856	1,506
LAW ENFORCEMENT ASSISTANCE ADMIN	6,362	-	-	-	-	-	-	6,856	1,506
DEPARTMENT OF LABOR, TOTAL	1,677	-	45	-	-	-	-	1,632	-
EMPLOYMENT AND TRAINING ADMIN	553	-	45	-	-	-	-	508	-
LABOR-MANAGEMENT SERVICES ADMIN	1,124	-	-	-	-	-	-	1,124	-
DEPARTMENT OF STATE, TOTAL	1,700	1,700	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,700	1,700	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	751	-	-	-	751	-	-	-	-
UNITED STATES COAST GUARD	751	-	-	-	751	-	-	-	-
OTHER AGENCIES									
ACTION	380	-	-	-	-	-	-	380	-
CIVIL SERVICE COMMISSION	578	-	578	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	274,339	-	-	225,004	2,979	6,144	40,212	-	-
ENVIRONMENTAL PROTECTION AGENCY	19,100	11,200	-	5,800	1,400	-	700	-	-
GENERAL SERVICES ADMINISTRATION	60	-	-	-	-	-	-	-	60
NATIONAL AERONAUTICS & SPACE ADMIN	243,602	12,266	1,498	148,727	41,951	484	38,498	78	100
NATIONAL SCIENCE FOUNDATION	525,737	98,883	9,207	148,496	141,009	29,193	63,858	32,631	6,460
OFFICE OF TELECOMMUNICATIONS POLICY	226	127	-	30	-	-	59	-	-
SMITHSONIAN INSTITUTION	27,241	12,243	-	4,808	1,942	-	-	8,248	-
VETERANS ADMINISTRATION	9,150	3,730	269	-	-	-	-	101	145

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-35. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	2,515,479	908,593	53,069	718,992	389,670	70,536	266,444	98,879	13,845
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	185,667	131,157	-	24,208	3,276	1,332	10,782	14,932	-
AGRICULTURAL RESEARCH SERVICE	111,932	82,998	-	19,857	1,096	179	7,511	291	-
COOPERATIVE STATE RESEARCH SERVICE	48,471	31,952	-	2,324	290	-	1,593	10,332	-
ECONOMIC RESEARCH SERVICE	3,756	-	-	-	-	-	-	3,756	-
FOREST SERVICE	23,045	16,227	-	2,027	1,890	690	1,656	553	-
STATISTICAL REPORTING SERVICE	463	-	-	-	-	463	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	20,252	-	78	5,363	11,597	126	2,729	161	648
BUREAU OF THE CENSUS	260	-	78	-	-	126	-	161	-
MARITIME ADMINISTRATION	1,473	-	-	-	-	-	1,473	-	-
NATIONAL BUREAU OF STANDARDS	6,173	-	-	5,063	-	-	1,110	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	648	-	-	-	-	-	-	-	648
NATIONAL OCEANIC AND ATMOS ADMIN	11,597	-	-	-	11,597	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	141	-	-	-	-	-	141	-	-
DEPARTMENT OF DEFENSE, TOTAL	251,633	32,858	10,547	65,458	70,599	21,806	87,683	1,502	1,125
DEPARTMENT OF THE ARMY	45,045	16,577	3,083	8,847	5,045	3,514	9,849	150	-
DEPARTMENT OF THE NAVY	115,693	13,315	2,704	34,174	38,791	7,753	17,904	1,352	-
DEPARTMENT OF THE AIR FORCE	52,800	2,911	1,770	20,778	26,758	5,528	35,725	-	-
DEFENSE AGENCIES	38,095	525	3,013	3,659	-	5,071	24,705	-	1,125
DEPT OF HEALTH, ED, & WELFARE, TOTAL	670,876	569,367	28,350	35,000	-	3,356	5,398	28,101	3,306
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	64,628	37,096	18,372	412	-	446	-	6,777	925
HEALTH SERVICES ADMINISTRATION	2,259	2,259	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	9,493	-	-	-	-	-	-	9,493	-
NATIONAL INSTITUTES OF HEALTH	585,083	529,412	9,978	34,588	-	2,908	5,398	418	2,381
OFFICE OF THE SECRETARY	7,120	-	-	-	-	-	-	7,120	-
SOCIAL SECURITY ADMINISTRATION	2,343	-	-	-	-	-	-	2,243	-
DEPARTMENT OF THE INTERIOR, TOTAL	108,094	11,940	-	6,625	84,930	1,015	1,149	535	200
BUREAU OF MINES	700	-	-	600	-	-	100	-	-
BUREAU OF RECLAMATION	64	-	-	-	-	-	64	-	-
GEOLOGICAL SURVEY	94,110	-	-	2,725	85,385	1,000	-	-	-
NATIONAL PARK SERVICE	550	402	-	-	45	-	-	103	-
OFFICE OF WATER RES AND TECHNOLOGY	3,950	520	-	300	1,500	15	965	450	200
US FISH AND WILDLIFE SERVICE	10,718	10,718	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	8,680	-	-	-	-	-	-	7,117	1,563
LAW ENFORCEMENT ASSISTANCE ADMIN	8,680	-	-	-	-	-	-	7,117	1,563
DEPARTMENT OF LABOR, TOTAL	1,677	-	45	-	-	-	-	1,632	-
EMPLOYMENT AND TRAINING ADMIN	553	-	45	-	-	-	-	508	-
LABOR-MANAGEMENT SERVICES ADMIN	1,124	-	-	-	-	-	-	1,124	-
DEPARTMENT OF STATE, TOTAL	1,700	1,700	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,700	1,700	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	75	-	-	-	75	-	-	-	-
UNITED STATES COAST GUARD	75	-	-	-	75	-	-	-	-
OTHER AGENCIES									
ACTION	50	-	-	-	-	-	-	50	-
CIVIL SERVICE COMMISSION	537	-	537	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	289,234	-	-	235,811	3,472	6,839	43,112	-	-
ENVIRONMENTAL PROTECTION AGENCY	17,000	10,300	-	5,000	1,300	-	400	-	-
GENERAL SERVICES ADMINISTRATION	65	-	-	-	-	-	25	-	40
NATIONAL AERONAUTICS & SPACE ADMIN	255,697	13,391	1,579	160,343	38,380	423	41,703	781	100
NATIONAL SCIENCE FOUNDATION	630,531	419,799	11,666	175,526	171,935	35,581	73,508	35,767	6,747
OFFICE OF TELECOMMUNICATIONS POLICY	200	137	-	30	-	-	-	33	-
SMITHSONIAN INSTITUTION	33,413	14,536	-	5,678	2,111	-	-	11,088	-
VETERANS ADMINISTRATION	4,060	3,705	265	-	-	-	-	10	100

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-36. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	48,497	24,723	21,540	2,234	616,016	131,266	157,653	318,787	8,310
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	19,955	-	17,235	2,720	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	16,177	-	14,153	2,024	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	1,922	-	1,922	-	-
FOREST SERVICE	-	-	-	-	1,856	-	1,160	696	-
DEPARTMENT OF COMMERCE, TOTAL	80	-	80	-	4,379	368	1,123	2,888	-
BUREAU OF THE CENSUS	80	-	80	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	4,379	368	1,123	2,888	-
DEPARTMENT OF DEFENSE, TOTAL	9,492	3,049	5,412	931	52,374	8,932	10,082	32,123	1,737
DEPARTMENT OF THE ARMY	1,790	-	1,044	746	5,481	-	2,088	3,393	-
DEPARTMENT OF THE NAVY	3,688	1,709	1,979	-	26,488	3,172	3,731	19,585	-
DEPARTMENT OF THE AIR FORCE	1,971	154	1,317	-	17,762	5,260	4,263	8,239	-
DEFENSE AGENCIES	2,043	1,186	1,072	185	642	-	-	906	1,737
DEPT OF HEALTH, ED, & WELFARE, TOTAL	27,899	15,231	11,964	704	30,864	-	30,822	42	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	19,079	9,002	9,373	704	323	-	323	-	-
NATIONAL INSTITUTES OF HEALTH	8,820	6,229	2,591	-	30,541	-	30,499	42	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	6,598	-	5,188	1,410	-
BUREAU OF MINES	-	-	-	-	1,085	-	635	450	-
GEOLOGICAL SURVEY	-	-	-	-	5,168	-	4,274	894	-
OFFICE OF WATER RES ANC TECHNOLOGY	-	-	-	-	345	-	279	66	-
DEPARTMENT OF LABOR, TOTAL	43	-	43	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	43	-	43	-	-	-	-	-	-
OTHER AGENCIES									
ACTION	12	-	12	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	559	-	559	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	203,798	-	41,124	160,024	2,650
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	5,100	-	4,200	900	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,743	49	1,096	598	154,119	89,485	9,240	53,271	4,123
NATIONAL SCIENCE FOUNDATION	8,474	6,149	2,325	-	137,581	28,733	43,439	65,409	-
SMITHSONIAN INSTITUTION	-	-	-	-	4,298	4,298	-	-	-
VETERANS ADMINISTRATION	250	195	52	3	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-37. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	50,590	25,549	21,730	3,311	659,607	123,603	177,291	347,930	10,783
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	23,082	-	19,984	2,098	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	18,984	-	16,609	2,375	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	2,170	-	2,170	-	-
FOREST SERVICE	-	-	-	-	1,928	-	1,205	723	-
DEPARTMENT OF COMMERCE, TOTAL	74	-	74	-	9,910	408	1,304	3,198	-
BUREAU OF THE CENSUS	74	-	74	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	9,910	408	1,304	3,198	-
DEPARTMENT OF DEFENSE, TOTAL	8,808	1,782	5,324	1,702	56,540	8,685	11,357	33,223	3,245
DEPARTMENT OF THE ARMY	2,943	-	1,593	870	5,280	-	2,650	2,720	-
DEPARTMENT OF THE NAVY	2,260	-	2,260	-	27,888	3,422	3,806	20,660	-
DEPARTMENT OF THE AIR FORCE	1,601	170	1,431	-	18,792	5,263	4,871	8,658	-
DEFENSE AGENCIES	2,534	1,612	40	832	4,950	-	30	1,175	3,245
DEPT OF HEALTH, ED, & WELFARE, TOTAL	30,121	16,770	12,622	729	55,210	-	55,155	55	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	20,081	9,674	9,678	729	407	-	407	-	-
NATIONAL INSTITUTES OF HEALTH	10,040	7,096	2,944	-	54,803	-	54,748	55	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	7,030	-	5,881	1,149	-
BUREAU OF MINES	-	-	-	-	765	-	630	135	-
GEOLOGICAL SURVEY	-	-	-	-	5,972	-	5,015	957	-
OFFICE OF WATER RES AND TECHNOLOGY	-	-	-	-	293	-	236	57	-
DEPARTMENT OF LABOR, TOTAL	45	-	45	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	45	-	45	-	-	-	-	-	-
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	578	-	578	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	225,304	-	47,312	175,921	2,071
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	5,800	-	4,800	1,000	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,496	-	622	874	148,727	78,693	3,834	61,330	4,870
NATIONAL SCIENCE FOUNDATION	9,207	6,797	2,405	5	148,496	31,030	47,664	69,826	-
OFFICE OF TELECOMMUNICATIONS POLICY	-	-	-	-	301	-	-	38	-
SMITHSONIAN INSTITUTION	-	-	-	-	4,808	4,808	-	-	-
VETERANS ADMINISTRATION	265	200	60	5	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-28. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	52,089	25,748	22,623	3,698	718,992	142,591	188,160	379,919	11,772
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	29,208	-	20,963	3,245	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	17,857	-	17,372	2,485	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	2,329	-	2,329	-	-
FOREST SERVICE	-	-	-	-	2,027	-	1,267	760	-
DEPARTMENT OF COMMERCE, TOTAL	78		78	-	5,063	421	1,345	3,297	-
BUREAU OF THE CENSUS	78	-	78	-	-1	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	5,063	421	1,345	3,297	-
DEPARTMENT OF DEFENSE, TOTAL	10,547	1,240	6,178	3,129	65,450	9,696	13,908	39,827	2,307
DEPARTMENT OF THE ARMY	2,062	-	1,692	1,171	6,847	-	3,333	3,514	-
DEPARTMENT OF THE NAVY	2,704	-	2,709	-	34,174	9,036	4,720	25,418	-
DEPARTMENT OF THE AIR FORCE	1,770	188	1,582	-	20,778	5,820	5,385	9,573	-
DEFENSE AGENCIES	3,210	1,052	-	1,958	3,650	-	30	1,322	2,307
DEPT OF HEALTH, ED, & WELFARE, TOTAL	28,350	15,540	12,122	688	39,0220	-	39,945	55	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	18,372	8,968	9,196	208	412	-	412	-	-
NATIONAL INSTITUTES OF HEALTH	9,978	7,352	2,926	-	38,5588	-	38,533	55	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	6,625	-	5,475	1,150	-
BUREAU OF MINES	-	-	-	-	600	-	500	100	-
GEOLOGICAL SURVEY	-	-	-	-	5,725	-	4,725	1,000	-
OFFICE OF WATER RES AND TECHNOLOGY	-	-	-	-	300	-	250	50	-
DEPARTMENT OF LABOR, TOTAL	45	-	45	-	-1	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	45	-	45	-	-1	-	-	-	-
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	537	-	537	-	-1	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	233,811	-	48,327	184,497	2,987
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	5,000	-	4,000	1,000	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,579	-	703	876	160,093	87,520	4,472	59,573	6,478
NATIONAL SCIENCE FOUNDATION	11,668	8,768	2,900	-	175,926	37,116	55,165	83,645	-
OFFICE OF TELECOMMUNICATIONS POLICY	-	-	-	-	30	-	-	30	-
SMITHSONIAN INSTITUTION	-	-	-	-	2,678	5,678	-	-	-
VETERANS ADMINISTRATION	265	200	60	5	-1	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-39. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	779,589	612,141	50,586	110,200	23,062	331,269	115,989	127,846	82,336	4,898
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	108,805	107,140	1,739	-	-	2,804	1,252	233	-	1,379
AGRICULTURAL RESEARCH SERVICE	67,619	67,619	-	-	-	894	210	128	-	556
COOPERATIVE STATE RESEARCH SERVICE	26,410	24,671	1,739	-	-	240	240	-	-	-
FOREST SERVICE	14,856	14,856	-	-	-	1,730	802	105	-	823
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	11,956	10,398	-	1,558	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	-	11,956	10,398	-	1,558	-
DEPARTMENT OF DEFENSE, TOTAL	29,297	6,180	14,801	3,310	-	54,685	26,153	4,482	24,050	-
DEPARTMENT OF THE ARMY	12,899	1,417	10,140	1,342	-	3,015	2,535	1,081	-	-
DEPARTMENT OF THE NAVY	9,430	4,769	4,661	-	-	29,350	3,538	1,462	24,350	-
DEPARTMENT OF THE AIR FORCE	1,968	-	-	1,968	-	21,919	19,980	1,939	-	-
DEFENSE AGENCIES	-	-	-	-	-	103	100	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	506,256	367,809	11,900	103,868	22,679	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	37,456	18,839	10,684	5,454	2,484	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	1,218	-	1,218	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	467,582	348,970	-	98,414	20,198	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	13,574	10,953	-	13	6	89,431	146	75,074	13,877	334
BUREAU OF MINES	-	-	-	-	-	100	-	100	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	87,506	-	73,636	13,870	-
NATIONAL PARK SERVICE	495	495	-	-	-	53	-	38	-	15
OFFICE OF WATER RES AND TECHNOLOGY	603	584	-	13	6	1,772	146	1,300	7	319
US FISH AND WILDLIFE SERVICE	9,576	9,876	-	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	1,500	1,500	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,500	1,500	-	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	-	75	-	-	75	-
UNITED STATES COAST GUARD	-	-	-	-	-	75	-	-	75	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	2,369	-	2,369	-	-
ENVIRONMENTAL PROTECTION AGENCY	10,600	9,900	-	700	-	1,302	600	700	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	7,005	4,833	401	1,429	332	43,623	2,523	7,312	615	3,173
NATIONAL SCIENCE FOUNDATION	91,576	91,576	-	-	-	125,218	44,834	36,286	42,088	12
OFFICE OF TELECOMMUNICATIONS POLICY	30	30	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	11,390	11,390	-	-	-	1,548	85	1,390	73	-
VETERANS ADMINISTRATION	3,520	860	1,745	870	45	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-40. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	870,660	689,106	39,349	127,575	25,630	350,858	127,924	138,994	85,921	4,569
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	124,617	122,092	1,965	-	-	3,117	1,350	259	-	1,508
AGRICULTURAL RESEARCH SERVICE	79,352	79,352	-	-	-	1,049	246	150	-	653
COOPERATIVE STATE RESEARCH SERVICE	29,832	27,867	1,965	-	-	271	271	-	-	-
FOREST SERVICE	15,433	15,433	-	-	-	1,797	833	109	-	855
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	10,405	8,944	-	1,461	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	-	10,405	8,944	-	1,461	-
DEPARTMENT OF DEFENSE, TOTAL	29,260	7,192	18,576	3,492	-	62,362	29,327	4,923	27,612	-
DEPARTMENT OF THE ARMY	15,109	1,701	12,144	1,464	-	9,629	3,442	1,187	-	-
DEPARTMENT OF THE NAVY	11,923	5,491	6,432	-	-	23,235	3,885	1,538	27,812	-
DEPARTMENT OF THE AIR FORCE	2,228	-	-	2,028	-	29,498	22,000	2,198	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	571,450	410,759	11,709	117,570	25,412	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	38,111	19,306	10,921	5,479	2,405	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	788	-	788	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	532,551	391,453	-	112,091	23,007	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	11,376	11,357	-	11	8	91,914	124	78,546	12,963	285
GEOLOGICAL SURVEY	-	-	-	-	-	90,372	-	77,414	12,958	-
NATIONAL PARK SERVICE	388	388	-	-	-	43	-	28	-	15
OFFICE OF WATER RES AND TECHNOLOGY	512	496	-	11	6	1,503	124	1,104	5	270
US FISH AND WILDLIFE SERVICE	10,474	10,474	-	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	1,700	1,700	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,700	1,700	-	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	-	75	-	-	75	-
UNITED STATES COAST GUARD	-	-	-	-	-	75	-	-	75	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	2,979	-	2,979	-	-
ENVIRONMENTAL PROTECTION AGENCY	11,220	10,420	-	800	-	1,402	552	850	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	12,266	6,898	144	4,812	362	41,951	31,056	7,265	879	2,751
NATIONAL SCIENCE FOUNDATION	98,883	98,883	-	-	-	141,309	55,978	42,350	42,656	25
OFFICE OF TELECOMMUNICATIONS POLICY	137	137	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	12,243	12,243	-	-	-	1,942	95	1,772	75	-
VETERANS ADMINISTRATION	3,730	885	1,965	890	50	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-41. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES			
	TOTAL	BIOLOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOSPHERIC SCIENCES	GEOLOGICAL SCIENCES	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	908,590	718,979	37,249	126,537	25,825	389,673	139,395	148,229	97,564	4,487
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	131,157	129,054	2,103	-	-	3,476	1,963	272	-	1,581
AGRICULTURAL RESEARCH SERVICE	82,998	82,998	-	-	-	1,096	257	157	-	682
COOPERATIVE STATE RESEARCH SERVICE	31,932	29,829	2,103	-	-	690	690	-	-	-
FOREST SERVICE	16,227	16,227	-	-	-	1,890	876	115	-	899
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	11,597	10,054	-	1,543	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	-	11,597	10,054	-	1,543	-
DEPARTMENT OF DEFENSE, TOTAL	32,858	9,385	19,675	3,818	-	70,594	32,950	5,621	32,023	-
DEPARTMENT OF THE ARMY	16,577	1,937	13,063	1,577	-	5,045	3,694	1,351	-	-
DEPARTMENT OF THE NAVY	13,515	7,448	6,067	-	-	38,791	4,929	1,839	32,023	-
DEPARTMENT OF THE AIR FORCE	2,241	-	-	2,241	-	26,758	24,327	2,431	-	-
DEFENSE AGENCIES	525	-	525	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	569,367	413,913	13,382	116,089	25,983	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	37,696	18,760	11,123	5,269	2,544	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	2,259	-	2,259	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	529,412	395,153	-	111,395	22,864	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	11,640	11,620	-	10	10	86,932	125	74,739	11,751	317
GEOLOGICAL SURVEY	-	-	-	-	-	85,385	-	73,694	11,791	-
NATIONAL PARK SERVICE	402	402	-	-	-	45	-	30	-	15
OFFICE OF WATER RES AND TECHNOLOGY	520	500	-	10	10	1,502	125	1,065	10	302
US FISH AND WILDLIFE SERVICE	10,718	10,718	-	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	1,700	1,700	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,700	1,700	-	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	-	75	-	-	75	-
UNITED STATES COAST GUARD	-	-	-	-	-	75	-	-	75	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	3,472	-	3,472	-	-
ENVIRONMENTAL PROTECTION AGENCY	10,300	9,700	-	600	-	1,300	600	700	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	13,391	8,275	154	4,560	402	38,380	28,089	6,401	804	2,586
NATIONAL SCIENCE FOUNDATION	119,799	119,799	-	-	-	171,935	65,452	55,228	51,230	25
OFFICE OF TELECOMMUNICATIONS POLICY	137	137	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	14,536	14,536	-	-	-	6,411	402	1,931	78	-
VETERANS ADMINISTRATION	3,705	880	1,695	885	45	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-42. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1979

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING							
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING SCI.
TOTAL, ALL AGENCIES	227,871	28,579	11,395	13,497	7,309	39,475	12,841	86,075	29,055
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	8,954	-	-	306	1,451	27	386	-	6,582
AGRICULTURAL RESEARCH SERVICE	6,119	-	-	901	503	27	219	-	4,569
COOPERATIVE STATE RESEARCH SERVICE	1,317	-	-	-	-	-	-	-	1,317
FOREST SERVICE	1,518	-	-	105	548	-	169	-	696
DEPARTMENT OF COMMERCE, TOTAL	2,012	-	-	-	531	232	100	903	1,046
MARITIME ADMINISTRATION	1,706	-	-	-	531	100	100	-	975
NATIONAL BUREAU OF STANDARDS	974	-	-	-	-	-	-	903	71
OFFICE OF TELECOMMUNICATIONS	132	-	-	-	-	132	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	72,074	9,141	5,787	1,315	447	24,339	5,196	26,349	300
DEPARTMENT OF THE ARMY	11,929	527	-	149	447	3,877	2,050	4,884	-
DEPARTMENT OF THE NAVY	13,015	1,307	-	1,166	-	693	3,146	7,043	-
DEPARTMENT OF THE AIR FORCE	31,027	7,614	5,787	-	-	10,540	-	7,888	-
DEFENSE AGENCIES	16,103	-	-	-	-	9,269	-	6,534	300
DEPT OF HEALTH, ED, & WELFARE, TOTAL	4,765	-	-	-	-	-	-	-	4,765
NATIONAL INSTITUTES OF HEALTH	4,765	-	-	-	-	-	-	-	4,765
DEPARTMENT OF THE INTERIOR, TOTAL	1,285	-	-	10	376	46	-	757	96
BUREAU OF MINES	750	-	-	-	-	-	-	750	-
BUREAU OF RECLAMATION	44	-	-	-	-	44	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	491	-	-	10	376	2	-	7	96
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	35,317	-	-	-	-	-	-	35,317	-
ENVIRONMENTAL PROTECTION AGENCY	400	-	-	400	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	224	-	-	-	224	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	38,469	19,911	5,583	70	57	3,273	248	6,661	1,166
NATIONAL SCIENCE FOUNDATION	64,995	66	-	10,256	4,223	11,257	6,909	16,088	15,196
OFFICE OF TELECOMMUNICATIONS POLICY	326	-	25	-	-	301	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-43. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING							
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	238,426	30,342	10,181	13,695	7,535	42,545	13,260	95,018	25,895
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	10,246	-	-	580	1,628	32	453	-	7,573
AGRICULTURAL RESEARCH SERVICE	7,181	-	-	471	1,059	32	257	-	5,362
COOPERATIVE STATE RESEARCH SERVICE	1,488	-	-	-	-	-	-	-	1,488
FOREST SERVICE	1,577	-	-	109	569	-	176	-	723
DEPARTMENT OF COMMERCE, TOTAL	2,800	-	-	-	878	339	216	999	374
MARITIME ADMINISTRATION	1,008	-	-	-	878	216	216	-	298
NATIONAL BUREAU OF STANDARDS	1,077	-	-	-	-	-	-	999	78
OFFICE OF TELECOMMUNICATIONS	123	-	-	-	-	123	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	75,696	9,319	9,570	1,413	79	24,988	5,435	24,737	101
DEPARTMENT OF THE ARMY	8,791	672	25	25	79	3,916	2,017	2,057	-
DEPARTMENT OF THE NAVY	14,347	1,062	-	1,388	-	729	3,418	7,727	-
DEPARTMENT OF THE AIR FORCE	32,308	7,585	9,395	-	-	11,803	-	8,525	-
DEFENSE AGENCIES	20,249	-	150	-	-	8,540	-	11,428	101
DEPT OF HEALTH, ED, & WELFARE, TOTAL	5,432	-	-	-	-	-	-	-	5,432
NATIONAL INSTITUTES OF HEALTH	5,432	-	-	-	-	-	-	-	5,432
DEPARTMENT OF THE INTERIOR, TOTAL	969	-	-	9	678	60	-	140	82
BUREAU OF MINES	135	-	-	-	-	-	-	135	-
BUREAU OF RECLAMATION	59	-	-	-	-	59	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	775	-	-	9	678	1	-	5	82
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	40,212	-	-	-	-	-	-	40,212	-
ENVIRONMENTAL PROTECTION AGENCY	700	-	-	700	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	38,498	20,873	5,611	72	62	3,151	280	7,259	1,190
NATIONAL SCIENCE FOUNDATION	63,858	150	-	10,871	9,210	13,917	6,896	16,671	11,143
OFFICE OF TELECOMMUNICATIONS POLICY	59	-	-	-	-	59	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-44. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING							
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	266,444	33,245	10,998	15,714	7,762	49,479	16,021	106,114	27,111
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	10,766	-	-	807	1,708	34	454	-	7,961
AGRICULTURAL RESEARCH SERVICE	7,511	-	-	492	1,108	34	269	-	5,608
COOPERATIVE STATE RESEARCH SERVICE	1,593	-	-	-	-	-	-	-	1,593
FOREST SERVICE	1,656	-	-	115	598	-	185	-	760
DEPARTMENT OF COMMERCE, TOTAL	2,724	-	-	-	463	227	86	1,030	918
MARITIME ADMINISTRATION	1,473	-	-	-	463	86	86	-	838
NATIONAL BUREAU OF STANDARDS	1,110	-	-	-	-	-	-	1,030	80
OFFICE OF TELECOMMUNICATIONS	141	-	-	-	-	141	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	87,085	10,971	4,860	1,634	30	28,610	6,548	35,330	-
DEPARTMENT OF THE ARMY	9,849	811	-	-	30	4,369	2,297	2,342	-
DEPARTMENT OF THE NAVY	17,904	1,273	-	1,634	-	872	4,251	9,174	-
DEPARTMENT OF THE AIR FORCE	35,729	8,387	4,860	-	-	13,051	-	9,427	-
DEFENSE AGENCIES	24,705	-	-	-	-	10,318	-	14,387	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	5,398	-	-	-	-	-	-	-	5,398
NATIONAL INSTITUTES OF HEALTH	5,398	-	-	-	-	-	-	-	5,398
DEPARTMENT OF THE INTERIOR, TOTAL	1,129	-	-	100	300	69	-	110	550
BUREAU OF MINES	100	-	-	-	-	-	-	100	-
BUREAU OF RECLAMATION	64	-	-	-	-	64	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	965	-	-	100	300	5	-	10	550
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	42,112	-	-	-	-	-	-	42,796	316
ENVIRONMENTAL PROTECTION AGENCY	400	-	-	400	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	25	-	-	-	45	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	41,703	22,624	6,138	74	52	3,424	280	7,867	1,234
NATIONAL SCIENCE FOUNDATION	72,908	150	-	12,701	5,176	17,115	8,653	18,981	10,732

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-45. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	SOCIAL SCIENCES							
	TOTAL	ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES, NEC
TOTAL, ALL AGENCIES	72,845	6,984	22,066	5,999	2,108	1,607	15,000	19,051
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	12,489	-	11,574	-	-	-	814	96
AGRICULTURAL RESEARCH SERVICE	237	-	237	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	8,545	-	8,092	-	-	-	453	-
ECONOMIC RESEARCH SERVICE	3,196	-	2,899	-	-	-	256	96
FOREST SERVICE	306	-	401	-	-	-	105	-
DEPARTMENT OF COMMERCE, TOTAL	11	-	11	-	-	-	-	-
BUREAU OF THE CENSUS	11	-	11	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,734	-	-	-	388	-	1,106	240
DEPARTMENT OF THE ARMY	75	-	-	-	-	-	75	-
DEPARTMENT OF THE NAVY	1,031	-	-	-	-	-	1,031	-
DEFENSE AGENCIES	628	-	-	-	388	-	-	240
DEPT OF HEALTH, ED, & WELFARE, TOTAL	15,851	933	6,847	200	400	40	4,006	7,425
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	7,717	933	40	200	400	40	2,745	3,359
NATIONAL INSTITUTE OF EDUCATION	1,894	-	-	-	-	-	-	1,894
NATIONAL INSTITUTES OF HEALTH	370	-	-	-	-	-	-	370
OFFICE OF THE SECRETARY	4,068	-	2,807	-	-	-	1,261	-
SOCIAL SECURITY ADMINISTRATION	1,802	-	-	-	-	-	-	1,802
DEPARTMENT OF THE INTERIOR, TOTAL	611	54	203	-	-	182	109	63
NATIONAL PARK SERVICE	80	50	-	-	-	-	30	-
OFFICE OF WATER RES AND TECHNOLOGY	531	4	203	-	-	182	79	63
DEPARTMENT OF JUSTICE, TOTAL	6,342	-	-	-	-	-	6,342	-
LAW ENFORCEMENT ASSISTANCE ADMIN	6,342	-	-	-	-	-	6,342	-
DEPARTMENT OF LABOR, TOTAL	834	-	755	-	-	-	79	-
EMPLOYMENT AND TRAINING ADMIN	500	-	421	-	-	-	79	-
LABOR-MANAGEMENT SERVICES ADMIN	334	-	334	-	-	-	-	-
OTHER AGENCIES								
ACTION	133	-	12	-	-	-	91	-
NATIONAL AERONAUTICS & SPACE ADMIN	65	-	3	25	-	24	-	13
NATIONAL SCIENCE FOUNDATION	47,127	3,309	6,661	818	1,320	1,361	6,444	11,214
SMITHSONIAN INSTITUTION	7,693	2,687	-	4,956	-	-	-	-
VETERANS ADMINISTRATION	10	1	-	-	-	-	9	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-46. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	SOCIAL SCIENCES							
	TOTAL	ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	80,982	7,197	25,609	6,700	6,752	1,692	10,854	27,178
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	14,183	-	13,136	-	-	-	916	111
AGRICULTURAL RESEARCH SERVICE	478	-	278	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	9,652	-	9,141	-	-	-	511	-
ECONOMIC RESEARCH SERVICE	3,706	-	3,299	-	-	-	296	111
FOREST SERVICE	527	-	418	-	-	-	109	-
DEPARTMENT OF COMMERCE, TOTAL	13	-	13	-	-	-	-	-
BUREAU OF THE CENSUS	13	-	13	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,257	7	-	-	-	-	1,250	-
DEPARTMENT OF THE ARMY	126	7	-	-	-	-	119	-
DEPARTMENT OF THE NAVY	1,131	-	-	-	-	-	1,131	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	21,101	945	3,905	203	907	41	4,394	11,266
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	7,627	945	40	203	907	41	2,658	3,333
NATIONAL INSTITUTE OF EDUCATION	5,121	-	-	-	-	-	-	5,121
NATIONAL INSTITUTES OF HEALTH	421	-	-	-	-	-	-	421
OFFICE OF THE SECRETARY	3,801	-	3,865	-	-	-	1,736	-
SOCIAL SECURITY ADMINISTRATION	2,391	-	-	-	-	-	-	2,391
DEPARTMENT OF THE INTERIOR, TOTAL	593	53	172	-	-	155	120	53
NATIONAL PARK SERVICE	103	50	-	-	-	-	53	-
OFFICE OF WATER RES AND TECHNOLOGY	490	3	172	-	-	155	67	53
DEPARTMENT OF JUSTICE, TOTAL	6,856	-	-	-	-	-	6,856	-
LAW ENFORCEMENT ASSISTANCE ADMIN	6,856	-	-	-	-	-	6,856	-
DEPARTMENT OF LABOR, TOTAL	1,632	-	1,552	-	-	-	80	-
EMPLOYMENT AND TRAINING ADMIN	528	-	428	-	-	-	80	-
LABOR-MANAGEMENT SERVICES ADMIN	1,124	-	1,124	-	-	-	-	-
OTHER AGENCIES								
ACTION	380	-	-	-	-	-	365	15
NATIONAL AERONAUTICS & SPACE ADMIN	78	-	2	-	-	76	-	-
NATIONAL SCIENCE FOUNDATION	26,031	3,648	6,029	796	1,345	1,420	2,469	15,733
SMITHSONIAN INSTITUTION	8,298	2,593	-	5,705	-	-	-	-
VETERANS ADMINISTRATION	10	1	-	-	-	-	9	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-47. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	SOCIAL SCIENCES						
		ANTHRO-POLOGY	ECONOMICS	HISTORY	LIN-GUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES, NEC
TOTAL, ALL AGENCIES	58,879	9,518	29,001	7,312	1,961	2,050	10,858	32,079
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	14,932	-	13,857	-	-	-	962	113
AGRICULTURAL RESEARCH SERVICE	291	-	291	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,332	-	9,785	-	-	-	547	-
ECONOMIC RESEARCH SERVICE	3,756	-	3,343	-	-	-	300	113
FOREST SERVICE	553	-	438	-	-	-	115	-
DEPARTMENT OF COMMERCE, TOTAL	16	-	16	-	-	-	-	-
BUREAU OF THE CENSUS	16	-	16	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,502	-	10	-	-	-	1,492	-
DEPARTMENT OF THE ARMY	150	-	10	-	-	-	140	-
DEPARTMENT OF THE NAVY	1,352	-	-	-	-	-	1,352	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	26,101	780	9,[illegible]	167	334	33	3,876	19,965
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	6,777	780	33	167	334	33	1,669	3,761
NATIONAL INSTITUTE OF EDUCATION	9,993	-	-	-	-	-	-	9,993
NATIONAL INSTITUTES OF HEALTH	418	-	-	-	-	-	-	418
OFFICE OF THE SECRETARY	7,120	-	4,913	-	-	-	2,207	-
SOCIAL SECURITY ADMINISTRATION	2,393	-	-	-	-	-	-	2,393
DEPARTMENT OF THE INTERIOR, TOTAL	553	55	170	-	-	150	113	65
NATIONAL PARK SERVICE	103	50	-	-	-	-	53	-
OFFICE OF WATER RES AND TECHNOLOGY	450	5	170	-	-	150	60	65
DEPARTMENT OF JUSTICE, TOTAL	7,117	-	-	-	-	-	7,117	-
LAW ENFORCEMENT ASSISTANCE ADMIN	7,117	-	-	-	-	-	7,117	-
DEPARTMENT OF LABOR, TOTAL	1,932	-	1,552	-	-	-	80	-
EMPLOYMENT AND TRAINING ADMIN	508	-	428	-	-	-	80	-
LABOR-MANAGEMENT SERVICES ADMIN	1,124	-	1,124	-	-	-	-	-
OTHER AGENCIES								
ACTION	50	-	-	-	-	-	50	-
NATIONAL AERONAUTICS & SPACE ADMIN	78	-	2	-	-	76	-	-
NATIONAL SCIENCE FOUNDATION	29,767	4,038	8,415	801	1,627	1,791	3,159	10,936
OFFICE OF TELECOMMUNICATIONS POLICY	33	-	33	-	-	-	-	-
SMITHSONIAN INSTITUTION	11,088	4,744	-	6,344	-	-	-	-
VETERANS ADMINISTRATION	10	1	-	-	-	-	9	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-48. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL [1]	EXTRAMURAL WITHIN THE UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	4,783,376	1,767,518	1,194,756	107,993	1,039,477	215,751	293,631	60,280	74,848	29,122
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	247,760	178,112	540	-	64,379	-	131	351	272	3,891
AGRICULTURAL RESEARCH SERVICE	112,905	106,199	173	-	2,495	-	131	-1	16	3,891
COOPERATIVE STATE RESEARCH SERVICE	62,707	1,958	-1	-	60,503	-	-	-1	246	-
ECONOMIC RESEARCH SERVICE	18,111	17,791	-1	-	320	-	-	-1	-	-
FARMER COOPERATIVE SERVICE	1,156	1,045	-1	-	111	-	-	-1	-	-
FOREST SERVICE	52,158	50,445	767	-	901	-	-	351	10	-
NATIONAL AGRICULTURAL LIBRARY	61	61	-1	-	-1	-	-	-1	-	-
STATISTICAL REPORTING SERVICE	717	668	-1	-	49	-	-	-1	-	-
DEPARTMENT OF COMMERCE, TOTAL	124,255	92,419	10,980	-	19,565	73	1,526	381	9,846	428
BUREAU OF THE CENSUS	491	491	-1	-	-1	-	-	-1	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,118	503	217	-	351	-	370	-1	193	-
MARITIME ADMINISTRATION	4,031	449	3,270	-	203	-	109	-1	-	-
NATIONAL BUREAU OF STANDARDS	29,394	28,793	250	-	189	-	162	-1	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	201	201	-1	-	-1	-	-	-1	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	87,747	61,983	6,622	-	14,125	73	413	581	4,498	408
OFFICE OF MINORITY BUSINESS ENTERP	882	121	121	-	131	-	472	-1	155	-
OFFICE OF TELECOMMUNICATIONS	462	462	-1	-	-1	-	-	-1	-	-
PATENT & TRADEMARK OFFICE	250	250	-1	-	-1	-	-	-1	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,557,553	569,257	788,141	1,314	94,815	49,243	37,730	20,668	-	1,368
DEPARTMENT OF THE ARMY	298,387	196,037	79,501	-	14,648	2,191	5,805	-1	-	205
DEPARTMENT OF THE NAVY	214,613	141,390	48,750	-	11,627	12,637	1,705	504	-	-
DEPARTMENT OF THE AIR FORCE	742,583	157,821	522,453	-	50,348	242	11,873	-1	-	476
DEFENSE AGENCIES	299,906	73,759	129,127	1,238	18,004	24,202	17,931	20,013	-	627
DEPARTMENTWIDE FUNDS	1,668	250	583	76	192	-	416	151	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,334,241	302,182	69,084	25,800	685,297	3,310	184,224	2,902	50,516	15,927
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	73,180	3,048	1,719	-	44,310	-	11,459	301	11,202	791
CENTER FOR DISEASE CONTROL	42,569	27,875	3,632	-	4,622	-	5,061	-1	26	1,348
FOOD AND DRUG ADMINISTRATION	35,896	23,111	2,463	-	8,377	-	1,079	-1	133	733
HEALTH RESOURCES ADMINISTRATION	16,703	7,008	61	-	8,522	-	517	220	-	430
HEALTH SERVICES ADMINISTRATION	9,409	2,806	-1	-	4,064	-	2,116	-1	423	-
NATIONAL INSTITUTE OF EDUCATION	2,176	264	891	-	492	-	1,113	-1	219	-
NATIONAL INSTITUTES OF HEALTH	1,088,856	218,466	52,021	25,800	602,266	3,310	154,794	2,652	19,233	10,314
OFFICE OF EDUCATION	5,266	731	843	-	3,386	-	762	-1	202	-
OFFICE OF HUMAN DEVELOPMENT	7,077	385	310	-	3,864	-	167	-1	-	2,351
OFFICE OF ASS'T SECTY FOR EDUCATION	550	75	-1	-	-1	-	475	-1	-	-
OFFICE OF THE SECRETARY	22,161	1,275	314	-	9,291	-	5,493	-1	14,150	-
SOCIAL AND REHABILITATION SERVICE	9,648	514	1,439	-	1,727	-	1,188	-1	4,780	-
SOCIAL SECURITY ADMINISTRATION	20,756	16,685	1,648	-	2,738	-	-	-1	87	-
DEPT OF HOUSING & URBAN DEVELOPMENT	23,495	10,380	8,710	-	1,840	-	5,360	5,195	2,010	-
DEPARTMENT OF THE INTERIOR, TOTAL	107,626	54,764	33,523	-	17,850	5	296	-1	934	254
BONNEVILLE POWER ADMINISTRATION	476	99	334	-	43	-	-	-1	-	-
BUREAU OF LAND MANAGEMENT	745	323	-1	-	396	-	-	-1	30	-
BUREAU OF MINES	50,577	19,800	26,451	-	4,686	-	-	-1	-	-
BUREAU OF OUTDOOR RECREATION	201	201	-1	-	-1	-	-	-1	-	-
BUREAU OF RECLAMATION	7,274	4,155	1,374	-	1,354	-	-	-1	391	-
GEOLOGICAL SURVEY	20,690	18,888	1,720	-	481	5	-	-1	50	179
NATIONAL PARK SERVICE	7,749	3,329	387	-	3,638	-	296	-1	89	-
OFFICE OF THE SECRETARY	1,270	215	430	-	350	-	-	-1	200	75
OFFICE OF WATER RES AND TECHNOLOGY	11,566	1,401	2,787	-	7,339	-	-	-1	39	-
US FISH AND WILDLIFE SERVICE	6,659	6,524	-1	-	-1	-	-	-1	135	-
DEPARTMENT OF JUSTICE, TOTAL	9,430	1,291	303	-	1,980	-	5,968	200	-	68
DRUG ENFORCEMENT ADMINISTRATION	924	503	456	-	418	-	-	200	-	-
IMMIGRATION & NATURALIZATION SERVICE	491	21	471	-	-1	-	-	-1	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	8,457	1,239	-1	-	1,162	-	5,968	-1	-	68
DEPARTMENT OF LABOR, TOTAL	14,401	6,419	2,225	-	2,907	264	1,152	31	431	-
BUREAU OF LABOR STATISTICS	733	733	-1	-	-1	-	-	-1	-	-
EMPLOYMENT AND TRAINING ADMIN	6,586	1,462	1,577	-	2,333	-	783	-1	431	-
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	3,240	-1	-	-1	-	-	-1	-	-
LABOR-MANAGEMENT SERVICES ADMIN	480	274	-1	-	206	-	-	-1	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,374	212	1,162	-	-1	-	-	-1	-	-
OFFICE OF THE SECRETARY	1,588	498	486	-	368	264	369	31	-	-
DEPARTMENT OF STATE, TOTAL	20,558	1,382	556	-	10,197	-	4,120	304	137	4,262
DEPARTMENTAL FUNDS	743	231	221	-	217	-	53	83	137	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	20,215	1,151	334	-	9,980	-	4,067	221	-	4,262
DEPT OF TRANSPORTATION, TOTAL	53,769	19,699	26,567	-	2,957	109	3,022	571	5,358	-
FEDERAL AVIATION ADMINISTRATION	14,163	3,008	10,738	-	320	-	-	571	-	-
FEDERAL HIGHWAY ADMINISTRATION	3,386	402	847	-	1,184	-	705	-1	250	-
FEDERAL RAILROAD ADMINISTRATION	2,689	2,064	550	-	151	-	-	-1	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	12,048	765	7,413	-	730	-	1,690	-1	1,650	-
OFFICE OF THE SECRETARY	14,411	6,864	4,423	-	565	52	427	-1	2,980	-
UNITED STATES COAST GUARD	4,213	1,213	2,660	-	143	-	200	-1	-	-
URBAN MASS TRANSPORTATION ADMIN	2,899	1,300	961	-	-1	57	-	-1	1,378	-

CONTINUED ON NEXT PAGE

TABLE C-48. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	FOREIGN
DEPARTMENT OF THE TREASURY, TOTAL	400	400	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	400	400	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	521	21	10	-	-	-	40	-	-	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,238	1,238	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	417	417	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	972	972	-	-	-	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	237	23	-	-	-	-	214	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	3,092	1,622	648	-	648	-	529	-	398	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	346,415	24,547	59,738	35,625	54,610	140,732	9,158	21,555	8	442
ENVIRONMENTAL PROTECTION AGENCY	124,211	63,933	28,533	-	16,045	-	6,300	800	8,400	800
FEDERAL COMMUNICATIONS COMMISSION	1,132	803	329	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	238	39	199	-	-	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	603	659	-	-	4	-	-	-	-	-
FEDERAL TRADE COMMISSION	936	936	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	622	10	547	-	-	-	65	-	-	-
LIBRARY OF CONGRESS	388	388	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	545,409	339,343	156,638	34	28,169	17,966	8,820	767	278	394
NATIONAL SCIENCE FOUNDATION	84,026	10,878	8,560	739	41,054	6,861	14,796	2,626	1,235	1,057
NUCLEAR REGULATORY COMMISSION	64,155	4,207	2,515	44,411	725	6,368	1,034	4,584	-	311
OFFICE OF TELECOMMUNICATIONS POLICY	2,126	1,899	91	-	-	-	-	193	25	-
SMALL BUSINESS ADMINISTRATION	176	18	156	-	-	-	-	-	-	-
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3,802	102	-	-	3,700	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	14,707	5,899	-	-	133	-	8,675	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	985	215	276	70	-	-	75	353	-	-
UNITED STATES INFORMATION AGENCY	84	84	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	83,200	82,884	-	-	-	-	376	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-49. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	5,223,181	1,898,293	1,321,184	143,373	1,103,155	240,132	226,221	58,749	78,768	47,306
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	281,017	203,608	785	-	71,948	-	-	351	283	4,358
AGRICULTURAL RESEARCH SERVICE	132,454	125,786	-1	-	2,350	-	-	-1	-	4,358
COOPERATIVE STATE RESEARCH SERVICE	70,832	2,392	41	-	68,167	-	-	-1	273	-
ECONOMIC RESEARCH SERVICE	21,002	20,590	-1	-	412	-	-	-1	-	-
FARMER COOPERATIVE SERVICE	1,294	1,229	-1	-	251	-	-	-1	-	-
FOREST SERVICE	54,187	52,417	765	-	960	-	-	35	10	-
NATIONAL AGRICULTURAL LIBRARY	111	61	-1	-	51	-	-	-1	-	-
STATISTICAL REPORTING SERVICE	1,237	1,198	-1	-	491	-	-	-1	-	-
DEPARTMENT OF COMMERCE, TOTAL	190,269	108,195	8,562	-	13,933	1,730	2,629	-1	5,049	75
BUREAU OF THE CENSUS	558	558	-1	-	-1	-	-	-1	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	2,000	500	345	-	451	-	610	-1	530	-
MARITIME ADMINISTRATION	3,748	400	3,139	-	209	-	-	-1	-	-
NATIONAL BUREAU OF STANDARDS	32,628	32,418	145	-	-1	-	65	-1	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	563	563	-1	-	-1	-	-	-1	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	99,859	73,444	4,915	-	13,179	1,730	1,071	-1	5,145	75
OFFICE OF MINORITY BUSINESS ENTERP	366	611	181	-	-1	-	283	-1	-	-
OFFICE OF TELECOMMUNICATIONS	343	343	-1	-	-1	-	-	-1	-	-
PATENT & TRADEMARK OFFICE	408	408	-1	-	-1	-	-	-1	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,595,460	583,026	823,103	610	89,181	37,967	37,577	22,004	-	1,316
DEPARTMENT OF THE ARMY	299,410	196,802	84,728	-	10,811	-	6,794	700	-	225
DEPARTMENT OF THE NAVY	218,600	143,600	47,032	-	16,366	13,316	6,085	855	-	-
DEPARTMENT OF THE AIR FORCE	340,774	157,842	527,358	707	48,311	1,070	-1	-	486
DEFENSE AGENCIES	328,556	85,086	163,388	533	17,594	24,299	16,382	21,295	-	821
DEPARTMENTWIDE FUNDS	1,706	696	597	77	198	-	426	154	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,458,290	323,960	78,467	28,373	735,947	3,967	204,642	3,198	54,037	25,659
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	74,728	3,834	1,581	-	48,100	-	11,144	-1	11,372	727
CENTER FOR DISEASE CONTROL	53,676	27,995	4,500	-	4,692	-	873	-1	50	566
FOOD AND DRUG ADMINISTRATION	38,856	23,209	3,193	-	8,064	-	2,314	-1	150	926
HEALTH RESOURCES ADMINISTRATION	16,742	8,869	1,610	-	5,680	-	701	158	1,729	-
HEALTH SERVICES ADMINISTRATION	7,985	3,160	-1	-	2,900	-	1,506	-1	413	-
NATIONAL INSTITUTE OF EDUCATION	5,296	847	308	-	1,418	-	2,088	-1	635	-
NATIONAL INSTITUTES OF HEALTH	1,197,490	238,317	61,327	28,373	657,093	3,967	174,200	3,040	41,965	12,384
OFFICE OF EDUCATION	7,733	112	1,281	-	4,932	-	1,090	-1	301	-
OFFICE OF HUMAN DEVELOPMENT	7,737	385	851	-	2,059	-	150	-1	-	5,356
OFFICE OF ASS'T SECTY FOR EDUCATION	1,057	751	-1	-	-1	-	962	-1	-	-
OFFICE OF THE SECRETARY	15,249	1,161	193	-	796	-	9,837	-1	1,384	-
SOCIAL AND REHABILITATION SERVICE	9,200	750	2,655	-	2,277	-	1,677	-1	1,891	-
SOCIAL SECURITY ADMINISTRATION	23,507	15,245	1,997	-	2,038	-	-	-1	4,227	-
DEPT OF HOUSING & URBAN DEVELOPMENT	37,478	14,719	11,468	-	2,026	-	2,780	1,601	2,385	-
DEPARTMENT OF THE INTERIOR, TOTAL	138,728	60,595	53,600	-	22,297	-	296	-1	690	1,350
BONNEVILLE POWER ADMINISTRATION	513	148	365	-	-1	-	-	-1	-	-
BUREAU OF LAND MANAGEMENT	739	326	-1	-	413	-	-	-1	-	-
BUREAU OF MINES	79,000	24,000	46,000	-	9,000	-	-	-1	-	-
BUREAU OF OUTDOOR RECREATION	201	201	-1	-	-1	-	-	-1	-	-
BUREAU OF RECLAMATION	8,144	4,373	2,254	-	1,156	-	-	-1	361	-
GEOLOGICAL SURVEY	21,119	19,510	1,559	-	251	-	-	-1	25	-
NATIONAL PARK SERVICE	8,772	3,749	312	-	4,360	-	296	-1	55	-
OFFICE OF THE SECRETARY	1,900	220	300	-	30	-	-	-1	-	1,350
OFFICE OF WATER RES AND TECHNOLOGY	11,433	1,316	2,810	-	7,263	-	-	-1	44	-
US FISH AND WILDLIFE SERVICE	7,088	6,933	-1	-	-1	-	-	-1	155	-
DEPARTMENT OF JUSTICE, TOTAL	23,253	2,709	970	-	7,933	-	11,166	975	-	-
DRUG ENFORCEMENT ADMINISTRATION	2,195	100	700	-	420	-	500	475	-	-
IMMIGRATION & NATURALIZATION SERVICE	280	10	270	-	-1	-	-	-1	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	20,778	2,599	-1	-	7,513	-	10,666	500	-	-
DEPARTMENT OF LABOR, TOTAL	18,513	9,433	3,878	-	2,192	119	2,384	48	435	24
BUREAU OF LABOR STATISTICS	620	620	-1	-	-1	-	-	-1	-	-
EMPLOYMENT AND TRAINING ADMIN	6,114	1,889	1,124	-	1,659	-	1,497	-1	435	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	5,433	-1	-	-1	-	-	-1	-	-
LABOR-MANAGEMENT SERVICES ADMIN	1,666	429	316	-	605	-	316	-1	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,300	300	2,000	-	-1	-	-	-1	-	-
OFFICE OF THE SECRETARY	2,380	762	438	-	428	119	571	48	-	24
DEPARTMENT OF STATE, TOTAL	20,968	1,824	855	-	10,573	-	3,243	13	894	3,766
DEPARTMENTAL FUNDS	1,013	229	61	-	571	-	18	13	894	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	19,955	1,595	849	-	10,516	-	3,225	-1	-	3,766
DEPT OF TRANSPORTATION, TOTAL	56,810	18,146	27,145	-	1,975	152	2,256	251	5,111	-
FEDERAL AVIATION ADMINISTRATION	13,633	2,926	10,436	-	250	-	-	23	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,777	150	1,000	-	216	-	200	-1	211	-
FEDERAL RAILROAD ADMINISTRATION	10,892	8,278	2,524	-	501	-	-	-1	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	13,875	675	8,873	-	1,097	-	1,640	-1	1,590	-
OFFICE OF THE SECRETARY	4,719	1,935	1,174	-	210	19	146	-1	1,235	-
UNITED STATES COAST GUARD	9,769	1,380	2,967	-	152	-	270	-1	-	-
URBAN MASS TRANSPORTATION ADMIN	5,165	2,808	169	-	-1	133	-	-1	2,075	-

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TABLE C-49. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL[1]	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	424	406	18	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	424	406	18	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	15	1	-	-	-	-	14	-	-	-
ADV COMM ON INTERGOVERNMTL RELATIONS	1,261	1,261	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	456	456	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	1,003	1,003	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	2,414	782	209	-	393	-	631	-	399	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	921,810	17,027	80,912	43,261	57,311	172,963	20,930	18,242	8	7,066
ENVIRONMENTAL PROTECTION AGENCY	159,265	23,510	99,700	-	17,955	-	9,300	900	6,130	1,900
FEDERAL COMMUNICATIONS COMMISSION	1,590	1,127	463	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	1,048	295	527	-	226	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	782	771	-	-	11	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,200	1,200	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	177	66	86	-	-	-	25	-	-	-
LIBRARY OF CONGRESS	411	411	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	577,027	359,115	165,215	33	30,624	10,912	9,247	750	299	234
NATIONAL SCIENCE FOUNDATION	76,543	9,366	10,028	140	37,273	2,988	11,919	1,738	2,082	1,509
NUCLEAR REGULATORY COMMISSION	101,040	6,279	3,407	70,956	2,266	11,314	1,502	4,961	-	555
OFFICE OF TELECOMMUNICATIONS POLICY	1,599	1,458	141	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	550	100	450	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	17,557	6,696	-	-	191	-	10,670	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,355	230	715	-	-	-	240	200	-	-
UNITED STATES INFORMATION AGENCY	101	101	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	87,247	87,047	-	-	-	-	200	-	-	-

[1] INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-93. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL (1)	EXTRAMURAL: UNITED STATES AND POSSESSIONS							FOREIGN
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	5,331,191	1,949,383	1,376,779	157,927	1,081,146	268,413	316,884	58,758	87,396	34,508
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	295,189	212,278	785	-	76,605	-	-	351	322	5,164
AGRICULTURAL RESEARCH SERVICE	138,582	131,068	-1	-	2,350	-	-	-1	-	5,164
COOPERATIVE STATE RESEARCH SERVICE	75,822	2,661	-1	-	72,849	-	-	-1	316	-
ECONOMIC RESEARCH SERVICE	21,286	20,874	-1	-	412	-	-	-1	-	-
FARMER COOPERATIVE SERVICE	1,272	1,272	-1	-	-1	-	-	-1	-	-
FOREST SERVICE	56,972	55,197	785	-	965	-	-	351	10	-
STATISTICAL REPORTING SERVICE	1,255	1,206	-1	-	49	-	-	-1	-	-
DEPARTMENT OF COMMERCE, TOTAL	145,156	112,908	9,684	-	14,363	700	2,075	831	5,568	75
BUREAU OF THE CENSUS	652	652	-1	-	-1	-	-	-1	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	650	50	-1	-	150	-	450	-1	-	-
MARITIME ADMINISTRATION	3,438	900	2,538	-	100	-	-	-1	-	-
NATIONAL BUREAU OF STANDARDS	33,643	33,433	145	-	-1	-	65	-1	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	579	579	-1	-	-1	-	-	-1	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	105,208	76,809	6,601	-	19,113	700	1,259	831	5,568	75
OFFICE OF MINORITY BUSINESS ENTERP	365	64	-1	-	-1	-	301	-1	-	-
OFFICE OF TELECOMMUNICATIONS	410	410	-1	-	-1	-	-	-1	-	-
PATENT & TRADEMARK OFFICE	211	211	-1	-	-1	-	-	-1	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,719,676	636,406	880,600	965	104,779	37,925	36,937	21,499	-	1,325
DEPARTMENT OF THE ARMY	346,205	221,336	104,688	-	11,403	-	8,540	-1	-	238
DEPARTMENT OF THE NAVY	244,505	156,641	50,367	-	16,494	15,783	4,695	525	-	-
DEPARTMENT OF THE AIR FORCE	749,200	157,853	523,751	-	54,612	1,035	11,972	-1	-	577
DEFENSE AGENCIES	378,766	100,426	201,564	420	22,849	20,907	11,530	20,884	-	196
DEPARTMENTWIDE FUNDS	1,000	150	350	45	115	-	250	90	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,392,095	311,775	76,744	27,265	693,267	3,319	199,419	3,083	55,877	21,370
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	63,157	3,990	1,549	-	39,470	-	9,367	-1	8,311	510
CENTER FOR DISEASE CONTROL	52,909	26,704	5,000	-	7,180	-	10,796	-1	100	3,129
FOOD AND DRUG ADMINISTRATION	37,989	23,864	3,150	-	8,076	-	1,469	-1	150	1,280
HEALTH RESOURCES ADMINISTRATION	14,883	7,475	1,511	-	3,515	-	611	148	1,623	-
HEALTH SERVICES ADMINISTRATION	8,267	3,448	-1	-	2,900	-	1,516	-1	403	-
NATIONAL INSTITUTE OF EDUCATION	12,899	1,677	709	-	3,806	-	4,966	-1	1,741	-
NATIONAL INSTITUTES OF HEALTH	1,131,160	226,574	58,645	27,265	618,126	3,319	161,231	2,915	20,382	13,723
OFFICE OF EDUCATION	5,678	841	956	-	3,602	-	814	-1	224	-
OFFICE OF HUMAN DEVELOPMENT	6,825	907	931	-	3,927	-	150	-1	-	2,748
OFFICE OF ASST SECTY FOR EDUCATION	1,037	75	-1	-	-1	-	962	-1	-	-
OFFICE OF THE SECRETARY	23,440	1,406	234	-	938	-	5,860	-1	15,002	-
SOCIAL AND REHABILITATION SERVICE	9,200	750	2,655	-	2,227	-	1,677	-1	1,891	-
SOCIAL SECURITY ADMINISTRATION	24,615	16,324	2,241	-	-1	-	-	-1	6,050	-
DEPT OF HOUSING & URBAN DEVELOPMENT	41,200	10,600	14,150	-	4,300	-	2,800	7,000	4,350	-
DEPARTMENT OF THE INTERIOR, TOTAL	132,161	60,003	46,909	-	22,796	-	293	-1	1,460	700
BONNEVILLE POWER ADMINISTRATION	301	51	251	-	-1	-	-	-1	-	-
BUREAU OF LAND MANAGEMENT	980	480	-1	-	500	-	-	-1	-	-
BUREAU OF MINES	71,475	22,300	40,000	-	9,475	-	-	-1	-	-
BUREAU OF OUTDOOR RECREATION	201	201	-1	-	-1	-	-	-1	-	-
BUREAU OF RECLAMATION	7,561	3,796	1,600	-	1,031	-	-	-1	1,140	-
GEOLOGICAL SURVEY	22,680	21,110	1,520	-	25	-	-	-1	25	-
NATIONAL PARK SERVICE	9,051	3,919	241	-	4,510	-	293	-1	55	-
OFFICE OF THE SECRETARY	1,236	241	265	-	30	-	-	-1	-	700
OFFICE OF WATER RES AND TECHNOLOGY	11,850	1,350	3,229	-	7,229	-	-	-1	50	-
US FISH AND WILDLIFE SERVICE	7,276	7,086	-1	-	-1	-	-	-1	190	-
DEPARTMENT OF JUSTICE, TOTAL	15,099	1,971	804	-	3,064	-	7,169	1,574	532	-
BUREAU OF PRISONS	183	32	-1	-	104	-	15	-1	32	-
DRUG ENFORCEMENT ADMINISTRATION	1,493	429	614	-	450	-	-	-1	-	-
IMMIGRATION & NATURALIZATION SERVICE	200	131	150	-	-1	-	-	-1	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	13,223	1,500	-1	-	2,495	-	7,154	1,574	500	-
DEPARTMENT OF LABOR, TOTAL	21,305	10,079	7,057	-	2,038	410	1,506	441	435	-
BUREAU OF LABOR STATISTICS	743	743	-1	-	-1	-	-	-1	-	-
EMPLOYMENT AND TRAINING ADMIN	4,979	2,009	870	-	1,000	-	665	-1	435	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	2,450	-1	-	-1	-	-	-1	-	-
LABOR-MANAGEMENT SERVICES ADMIN	1,633	395	309	-	620	-	309	-1	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	6,300	800	5,500	-	-1	-	-	-1	-	-
OFFICE OF THE SECRETARY	2,200	682	418	-	418	110	528	441	-	-
DEPARTMENT OF STATE, TOTAL	22,380	2,275	975	-	12,356	-	5,313	131	694	754
DEPARTMENTAL FUNDS	1,014	226	61	-	57	-	18	131	694	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,366	2,049	969	-	12,299	-	5,295	-1	-	754
DEPT OF TRANSPORTATION, TOTAL	96,240	17,483	27,074	-	1,938	292	1,183	251	7,245	-
FEDERAL AVIATION ADMINISTRATION	15,170	3,230	11,665	-	250	-	-	251	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,528	150	828	-	200	-	150	-1	200	-
FEDERAL RAILROAD ADMINISTRATION	6,442	4,850	1,542	-	50	-	-	-1	-	-
NATL HIGHWAY TRAFFIC SAFETY ADMIN	14,650	715	9,435	-	1,097	-	1,740	-1	1,683	-
OFFICE OF THE SECRETARY	4,190	1,718	1,342	-	186	17	130	-1	1,097	-
UNITED STATES COAST GUARD	3,592	1,040	2,234	-	155	-	163	-1	-	-
URBAN MASS TRANSPORTATION ADMIN	10,668	5,780	348	-	-1	275	-	-1	4,265	-

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TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL(1)	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	453	453	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	453	453	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ADV COMM ON INTERGOVERNMTL RELATIONS	1,402	1,402	-	-	-	-	-	-	-	-
CIVIL AERONAUTICS BOARD	983	983	-	-	-	-	-	-	-	-
CIVIL SERVICE COMMISSION	933	933	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,900	700	100	-	200	-	500	-	400	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	459,514	22,100	95,222	50,264	59,816	193,575	19,842	18,555	8	492
ENVIRONMENTAL PROTECTION AGENCY	123,488	56,238	33,000	-	19,350	-	4,000	1,000	8,000	1,900
FEDERAL COMMUNICATIONS COMMISSION	1,584	1,228	356	-	-	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	829	816	-	-	13	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,670	1,270	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	75	21	48	-	-	-	25	-	-	-
LIBRARY OF CONGRESS	479	479	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	603,278	375,849	169,032	33	36,624	15,590	9,500	750	320	250
NATIONAL SCIENCE FOUNDATION	72,072	9,794	9,349	162	39,617	1,362	11,135	1,475	2,185	1,998
NUCLEAR REGULATORY COMMISSION	114,390	7,560	3,376	79,293	2,735	15,190	1,800	3,642	-	800
OFFICE OF TELECOMMUNICATIONS POLICY	1,415	1,070	300	-	45	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	550	100	400	-	50	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	19,581	7,570	-	-	205	-	11,806	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,680	165	685	445	-	-	385	-	-	-
UNITED STATES INFORMATION AGENCY	110	110	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	84,602	84,602	-	-	-	-	200	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-51. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL FIELDS	4,783,276	5,223,181	5,251,194
LIFE SCIENCES, TOTAL	1,673,949	1,831,647	1,789,203
BIOLOGICAL	651,569	725,077	720,334
CLINICAL MEDICAL	711,832	779,039	754,808
OTHER MEDICAL SCIENCES	268,414	282,753	274,452
LIFE SCIENCES, NEC	42,134	44,778	39,969
PSYCHOLOGY, TOTAL	85,124	81,905	84,175
BIOLOGICAL ASPECTS	22,501	23,235	20,965
SOCIAL ASPECTS	59,693	55,681	58,824
PSYCHOLOGICAL SCIENCES, NEC	2,930	2,989	4,386
PHYSICAL SCIENCES, TOTAL	409,182	444,041	475,907
ASTRONOMY	7,128	5,087	5,024
CHEMISTRY	129,480	141,447	136,373
PHYSICS	238,597	258,598	278,349
PHYSICAL SCIENCES, NEC	33,977	38,909	56,161
ENVIRONMENTAL SCIENCES, TOTAL	321,712	336,175	355,379
ATMOSPHERIC SCIENCES	152,712	163,564	170,657
GEOLOGICAL SCIENCES	55,093	55,458	55,607
OCEANOGRAPHY (EXCLUDING BIOLOGICAL)	49,229	51,557	53,567
ENVIRONMENTAL SCIENCES, NEC	64,678	65,596	75,548
MATHEMATICS	77,621	80,506	83,980
ENGINEERING, TOTAL	1,813,485	1,971,498	2,039,553
AERONAUTICAL	567,171	609,536	628,498
ASTRONAUTICAL	157,164	164,475	165,703
CHEMICAL	83,571	91,212	86,777
CIVIL	132,034	136,329	128,180
ELECTRICAL	207,161	229,305	243,613
MECHANICAL	117,402	121,905	123,971
METALLURGY & MATERIALS	156,972	175,521	184,393
ENGINEERING, NEC	392,310	441,215	478,418
SOCIAL SCIENCES, TOTAL	230,582	277,222	283,980
ANTHROPOLOGY	6,866	7,559	7,172
ECONOMICS	104,594	127,437	131,976
HISTORY	956	905	1,912
LINGUISTICS	941	1,524	818
POLITICAL SCIENCE	10,086	10,085	11,819
SOCIOLOGY	39,867	45,053	41,717
SOCIAL SCIENCES, NEC	67,272	84,849	88,566
OTHER SCIENCES, NEC	171,721	200,187	218,057

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-52. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	TOTAL SCIENCES	OTHER SCIENCES, NEC
TOTAL, ALL AGENCIES	4,783,376	1,673,949	85,124	409,182	321,712	77,661	1,813,485	630,584	171,721
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	247,760	193,062	-1	29,837	8,737	1,783	26,119	38,216	6
AGRICULTURAL RESEARCH SERVICE	112,905	88,940	-1	24,094	1,513	440	10,823	1,095	-
COOPERATIVE STATE RESEARCH SERVICE	62,707	43,088	-1	3,135	342	-1	2,150	13,942	-
ECONOMIC RESEARCH SERVICE	18,111	-1	-1	-1	-1	-1	-1	18,111	-
FARMER COOPERATIVE SERVICE	1,156	-1	-1	-1	-1	-1	-1	1,156	-
FOREST SERVICE	52,158	31,034	-1	2,608	6,832	626	7,146	3,912	-
NATIONAL AGRICULTURAL LIBRARY	61	-1	-1	-1	-1	-1	-1	-1	6
STATISTICAL REPORTING SERVICE	717	-1	-1	-1	-1	717	-1	-1	-
DEPARTMENT OF COMMERCE, TOTAL	129,353	40,983	711	10,475	42,054	2,187	10,129	7,734	20
BUREAU OF THE CENSUS	441	-1	711	-1	-1	551	-1	315	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,118	-1	-1	-1	-1	-1	-1	1,118	-
MARITIME ADMINISTRATION	4,031	-1	-1	-1	-1	-1	3,888	143	-
NATIONAL BUREAU OF STANDARDS	29,394	-1	-1	10,165	-1	2,636	11,097	-1	-
NATIONAL FIRE PREV & CONTROL ADMIN	201	-1	-1	-1	-1	-1	-1	-1	20
NATIONAL OCEANIC AND ATMOS ADMIN	87,757	40,980	-1	101	41,054	-1	432	5,281	-
OFFICE OF MINORITY BUSINESS ENTERP	882	-1	-1	-1	-1	-1	-1	882	-
OFFICE OF TELECOMMUNICATIONS	462	-1	-1	-1	-1	-1	462	-1	-
PATENT & TRADEMARK OFFICE	252	-1	-1	-1	-1	-1	252	-1	-
DEPARTMENT OF DEFENSE, TOTAL	1,557,553	100,892	91,439	168,794	70,914	49,989	1,042,140	33,767	12,162
DEPARTMENT OF THE ARMY	298,307	44,836	12,613	68,395	7,125	4,682	147,348	1,682	6,595
DEPARTMENT OF THE NAVY	219,613	7,068	3,767	44,238	15,278	24,927	119,835	-1	-
DEPARTMENT OF THE AIR FORCE	742,983	40,004	20,794	14,046	17,866	4,967	548,852	-1	-
DEFENSE AGENCIES	259,902	3,740	4,182	41,591	30,644	15,326	225,592	4,946	65,401
DEPARTMENTWIDE FUNDS	1,688	214	83	292	-1	147	524	134	476
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,324,292	1,105,344	28,007	8,650	-1	10,506	10,516	94,424	70,535
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	73,180	36,820	22,581	298	-1	593	-1	3,858	2,630
CENTER FOR DISEASE CONTROL	42,564	42,564	-1	-1	-1	-1	-1	-1	-
FOOD AND DRUG ADMINISTRATION	25,896	25,896	-1	-1	-1	-1	-1	-1	-
HEALTH RESOURCES ADMINISTRATION	16,703	4,181	-1	-1	-1	-1	-1	9,060	3,462
HEALTH SERVICES ADMINISTRATION	9,409	9,409	-1	-1	-1	-1	-1	-1	-
NATIONAL INSTITUTE OF EDUCATION	2,174	-1	-1	-1	-1	-1	-1	2,174	-
NATIONAL INSTITUTES OF HEALTH	1,086,856	974,935	4,152	8,352	-1	10,573	10,516	10,915	64,493
OFFICE OF EDUCATION	5,266	-1	-1	-1	-1	-1	-1	5,266	-
OFFICE OF HUMAN DEVELOPMENT	7,077	1,769	1,274	-1	-1	-1	-1	4,034	-
OFFICE OF ASST SECTY FOR EDUCATION	550	-1	-1	-1	-1	-1	-1	550	-
OFFICE OF THE SECRETARY	22,162	-1	-1	-1	-1	-1	-1	22,162	-
SOCIAL AND REHABILITATION SERVICE	9,648	-1	-1	-1	-1	-1	-1	9,648	-
SOCIAL SECURITY ADMINISTRATION	20,758	-1	-1	-1	-1	-1	-1	20,758	-
DEPT OF HOUSING & URBAN DEVELOPMENT	33,495	-1	-1	-1	1,806	-1	2,972	28,661	-
DEPARTMENT OF THE INTERIOR, TOTAL	107,620	13,534	315	3,774	25,267	1,618	50,607	9,144	1,167
BONNEVILLE POWER ADMINISTRATION	476	-1	-1	-1	-1	-1	476	-1	-
BUREAU OF LAND MANAGEMENT	745	681	-1	-1	-1	-1	-1	64	-
BUREAU OF MINES	50,977	-1	-1	800	1,934	1,269	40,962	-1	-
BUREAU OF OUTDOOR RECREATION	201	-1	-1	-1	-1	-1	-1	201	-
BUREAU OF RECLAMATION	7,274	550	-1	-1	4,038	-1	2,502	184	-
GEOLOGICAL SURVEY	23,892	-1	-1	2,934	15,957	467	2,035	-1	-
NATIONAL PARK SERVICE	7,749	3,229	-1	29	679	-1	-1	3,283	533
OFFICE OF THE SECRETARY	1,270	-1	-1	-1	61	-1	1,284	-1	-
OFFICE OF WATER RES AND TECHNOLOGY	11,566	2,915	315	548	1,657	66	3,368	1,593	634
US FISH AND WILDLIFE SERVICE	6,659	6,659	-1	-1	-1	-1	-1	-1	-
DEPARTMENT OF JUSTICE, TOTAL	9,430	1,117	-1	92	-1	-1	491	5,475	2,097
DRUG ENFORCEMENT ADMINISTRATION	924	832	-1	92	-1	-1	-1	-1	-
IMMIGRATION & NATURALIZATION SERVICE	491	-1	-1	-1	-1	-1	491	-1	-
LAW ENFORCEMENT ASSISTANCE ADMIN	8,475	285	-1	-1	-1	-1	-1	5,475	2,097
DEPARTMENT OF LABOR, TOTAL	14,401	-1	455	-1	-1	-1	-1	13,946	-
BUREAU OF LABOR STATISTICS	733	-1	-1	-1	-1	-1	-1	733	-
EMPLOYMENT AND TRAINING ADMIN	6,386	-1	455	-1	-1	-1	-1	6,131	-
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	-1	-1	-1	-1	-1	-1	3,240	-
LABOR-MANAGEMENT SERVICES ADMIN	480	-1	-1	-1	-1	-1	-1	480	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,374	-1	-1	-1	-1	-1	-1	1,374	-
OFFICE OF THE SECRETARY	1,988	-1	-1	-1	-1	-1	-1	1,988	-
DEPARTMENT OF STATE, TOTAL	20,759	12,838	-1	-1	307	-1	1,690	5,688	435
DEPARTMENTAL FUNDS	743	-1	-1	-1	-1	-1	-1	743	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	20,216	12,838	-1	-1	307	-1	1,690	4,945	435
DEPT OF TRANSPORTATION, TOTAL	53,769	1,904	-1	172	3,655	214	44,375	1,451	-
FEDERAL AVIATION ADMINISTRATION	14,123	-1	-1	-1	-1	-1	13,800	323	-
FEDERAL HIGHWAY ADMINISTRATION	3,386	-1	-1	-1	-1	-1	3,386	-1	-
FEDERAL RAILROAD ADMINISTRATION	2,689	-1	-1	-1	-1	-1	2,689	-1	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	12,040	1,718	-1	-1	-1	-1	9,550	780	-
OFFICE OF THE SECRETARY	14,411	186	-1	172	3,397	214	8,096	348	-
UNITED STATES COAST GUARD	4,213	-1	-1	-1	258	-1	3,955	-1	-
URBAN MASS TRANSPORTATION ADMIN	2,899	-1	-1	-1	-1	-1	2,899	-1	-
DEPARTMENT OF THE TREASURY, TOTAL	900	-1	-1	387	-1	-1	631	-1	-
BUREAU OF ENGRAVING AND PRINTING	900	-1	-1	387	-1	-1	631	-1	-

CONTINUED ON NEXT PAGE

TABLE C-52. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
OTHER AGENCIES									
ACTION	521	-1	-1	-1	-1	-1	-1	521	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,638	-1	-1	-1	-1	-1	-1	1,238	-
CIVIL AERONAUTICS BOARD	417	-1	-1	-1	-1	-1	-1	417	-
CIVIL SERVICE COMMISSION	972	-1	972	-1	-1	-1	-1	-1	-
COMMUNITY SERVICES ADMINISTRATION	237	-1	-1	-1	-1	-1	-1	237	-
CONSUMER PRODUCT SAFETY COMMISSION	3,042	-1	-1	-1	-1	-1	2,269	773	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	346,415	46,721	-1	167,176	19,438	-1	76,080	-1	-
ENVIRONMENTAL PROTECTION AGENCY	129,311	27,700	-1	27,500	9,700	2,300	55,471	5,640	-
FEDERAL COMMUNICATIONS COMMISSION	1,132	-1	-1	-1	-1	-1	671	461	-
FEDERAL ENERGY ADMINISTRATION	238	-1	-1	-1	-1	-1	238	-1	-
FEDERAL HOME LOAN BANK BOARD	663	-1	-1	-1	-1	-1	-1	663	-
FEDERAL TRADE COMMISSION	934	-1	-1	-1	-1	-1	-1	934	-
GENERAL SERVICES ADMINISTRATION	642	-1	-1	-1	-1	-1	557	85	-
LIBRARY OF CONGRESS	388	-1	-1	-1	-1	-1	-1	-1	388
NATIONAL AERONAUTICS & SPACE ADMIN	565,939	10,995	7,933	13,801	127,725	1,157	376,734	896	6,168
NATIONAL SCIENCE FOUNDATION	84,060	6,223	638	11,366	12,518	1,484	23,428	13,192	15,177
NUCLEAR REGULATORY COMMISSION	64,155	-1	-1	-1	-1	-1	64,155	-1	-
OFFICE OF TELECOMMUNICATIONS POLICY	2,126	-1	-1	-1	-1	-1	1,243	883	-
SMALL BUSINESS ADMINISTRATION	172	-1	-1	-1	-1	-1	-1	172	-
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3,802	3,802	-1	-1	-1	-1	-1	-1	-
TENNESSEE VALLEY AUTHORITY	14,707	1,863	-1	1,500	-1	-1	11,265	79	-
US ARMS CONTROL & DISARMAMENT AGENCY	985	-1	-1	-1	35	123	674	153	-
UNITED STATES INFORMATION AGENCY	84	-1	-1	-1	-1	-1	84	-1	-
VETERANS ADMINISTRATION	83,260	74,804	5,294	-1	-1	-1	-1	216	2,946

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATE)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	5,223,181	1,831,647	81,905	499,041	330,175	80,506	1,971,498	277,222	200,187
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	281,017	161,814	-	34,565	9,316	2,404	49,594	23,353	11
AGRICULTURAL RESEARCH SERVICE	132,494	80,901	-	28,274	1,775	517	19,742	1,285	-
COOPERATIVE STATE RESEARCH SERVICE	70,832	48,671	-	3,542	993	-	2,426	15,748	-
ECONOMIC RESEARCH SERVICE	21,002	-	-	-	-	-	-	21,002	-
FARMER COOPERATIVE SERVICE	1,254	-	-	-	-	-	-	1,254	-
FOREST SERVICE	54,187	32,242	-	2,709	7,098	650	7,424	4,064	-
NATIONAL AGRICULTURAL LIBRARY	11	-	-	-	-	-	-	-	11
STATISTICAL REPORTING SERVICE	1,237	-	-	-	-	1,237	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	140,269	45,074	90	19,004	48,966	2,563	15,569	8,444	563
BUREAU OF THE CENSUS	558	-	90	-	-	69	-	399	-
ECONOMIC DEVELOPMENT ADMINISTRATION	2,000	-	-	-	-	-	-	2,000	-
MARITIME ADMINISTRATION	3,748	-	-	-	-	-	-	3,748	-
NATIONAL BUREAU OF STANDARDS	32,628	-	-	18,964	-	2,499	11,170	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	563	-	-	-	-	-	-	-	563
NATIONAL OCEANIC AND ATMOS ADMIN	95,859	45,074	-	40	48,966	-	490	5,289	-
OFFICE OF MINORITY BUSINESS ENTERP	362	-	-	-	-	-	-	362	-
OFFICE OF TELECOMMUNICATIONS	349	-	-	-	-	-	349	-	-
PATENT & TRADEMARK OFFICE	208	-	-	-	-	-	208	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,595,480	94,714	36,899	147,261	73,518	49,941	1,091,663	3,627	97,857
DEPARTMENT OF THE ARMY	299,410	50,243	12,080	49,364	8,501	2,690	155,114	1,872	18,979
DEPARTMENT OF THE NAVY	218,600	6,950	3,150	42,410	14,963	22,776	128,365	-	-
DEPARTMENT OF THE AIR FORCE	746,774	33,108	16,673	9,207	15,935	3,239	668,614	-	-
DEFENSE AGENCIES	328,990	4,194	4,305	46,027	34,061	21,185	139,263	1,612	78,343
DEPARTMENTWIDE FUNDS	1,706	219	85	296	-	151	527	142	285
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,458,290	1,211,603	28,858	8,822	-	18,264	11,571	104,144	75,028
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	74,738	37,476	23,075	368	-	1,008	-	9,949	3,862
CENTER FOR DISEASE CONTROL	50,676	50,676	-	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	36,856	36,856	-	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	16,742	5,196	-	-	-	-	-	11,296	250
HEALTH SERVICES ADMINISTRATION	7,985	7,985	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	5,296	-	-	-	-	-	-	5,296	-
NATIONAL INSTITUTES OF HEALTH	1,197,436	1,072,012	4,390	8,454	-	17,256	11,571	12,135	71,618
OFFICE OF EDUCATION	7,733	-	-	-	-	-	-	7,733	-
OFFICE OF HUMAN DEVELOPMENT	7,737	1,702	1,393	-	-	-	-	4,642	-
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037	-
OFFICE OF THE SECRETARY	19,369	-	-	-	-	-	-	19,369	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	23,507	-	-	-	-	-	-	23,507	-
DEPT OF HOUSING & URBAN DEVELOPMENT	37,678	-	-	-	1,600	-	2,900	32,978	-
DEPARTMENT OF THE INTERIOR, TOTAL	138,768	14,085	267	4,176	20,117	2,105	85,369	9,515	1,094
BONNEVILLE POWER ADMINISTRATION	513	-	-	-	-	-	513	-	-
BUREAU OF LAND MANAGEMENT	739	739	-	-	-	-	-	-	-
BUREAU OF MINES	79,003	-	-	1,300	2,373	1,580	73,750	-	-
BUREAU OF OUTDOOR RECREATION	201	-	-	-	-	-	201	-	-
BUREAU OF RECLAMATION	8,149	594	-	-	4,678	-	2,681	191	-
GEOLOGICAL SURVEY	21,119	-	-	2,937	16,149	469	2,069	-	-
NATIONAL PARK SERVICE	8,772	3,616	-	-	500	-	-	3,953	643
OFFICE OF THE SECRETARY	1,900	-	-	-	110	-	1,790	-	-
OFFICE OF WATER RES AND TECHNOLOGY	11,433	2,048	267	439	2,255	56	4,566	1,351	451
US FISH AND WILDLIFE SERVICE	7,088	7,088	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	23,253	903	-	-	-	-	3,900	15,465	2,988
DRUG ENFORCEMENT ADMINISTRATION	2,195	550	-	-	-	-	1,645	-	-
IMMIGRATION & NATURALIZATION SERVICE	280	-	-	-	-	-	255	-	25
LAW ENFORCEMENT ASSISTANCE ADMIN	20,778	350	-	-	-	-	2,000	15,465	2,963
DEPARTMENT OF LABOR, TOTAL	18,513	-	207	-	-	-	-	18,306	-
BUREAU OF LABOR STATISTICS	620	-	-	-	-	-	-	620	-
EMPLOYMENT AND TRAINING ADMIN	6,114	-	207	-	-	-	-	5,907	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	-	-	-	-	-	-	5,433	-
LABOR-MANAGEMENT SERVICES ADMIN	1,666	-	-	-	-	-	-	1,666	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,300	-	-	-	-	-	-	2,300	-
OFFICE OF THE SECRETARY	2,380	-	-	-	-	-	-	2,380	-
DEPARTMENT OF STATE, TOTAL	20,968	12,439	-	-	38	-	1,665	5,536	548
DEPARTMENTAL FUNDS	1,013	-	-	-	-	-	-	1,013	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	19,955	12,439	-	-	38	-	1,665	4,523	548
DEPT OF TRANSPORTATION, TOTAL	54,810	2,191	-	55	2,068	70	49,135	1,291	-
FEDERAL AVIATION ADMINISTRATION	13,633	-	-	-	-	-	13,350	283	-
FEDERAL HIGHWAY ADMINISTRATION	1,777	-	-	-	-	-	1,777	-	-
FEDERAL RAILROAD ADMINISTRATION	10,852	-	-	-	-	-	10,852	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	13,875	2,130	-	-	-	-	10,850	895	-
OFFICE OF THE SECRETARY	4,719	61	-	55	1,768	70	2,652	113	-
UNITED STATES COAST GUARD	4,769	-	-	-	300	-	4,469	-	-
URBAN MASS TRANSPORTATION ADMIN	5,185	-	-	-	-	-	5,185	-	-
DEPARTMENT OF THE TREASURY, TOTAL	424	-	-	411	-	-	13	-	-
BUREAU OF ENGRAVING AND PRINTING	424	-	-	411	-	-	13	-	-

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TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
OTHER AGENCIES									
ACTION	15	-	-	-	-	-	-	15	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,261	-	-	-	-	-	-	1,261	-
CIVIL AERONAUTICS BOARD	456	-	-	-	-	-	-	456	-
CIVIL SERVICE COMMISSION	1,003	-	1,003	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	2,914	-	-	-	-	-	1,734	680	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	421,810	157,941	-	165,374	10,881	-	77,614	4,000	-
ENVIRONMENTAL PROTECTION AGENCY	158,365	36,730	-	40,000	7,000	2,800	66,165	5,300	-
FEDERAL COMMUNICATIONS COMMISSION	1,990	-	-	-	-	-	1,022	968	-
FEDERAL ENERGY ADMINISTRATION	1,048	-	-	-	-	-	119	929	-
FEDERAL HOME LOAN BANK BOARD	782	-	-	-	-	-	-	782	-
FEDERAL TRADE COMMISSION	1,200	-	-	-	-	-	-	1,200	-
GENERAL SERVICES ADMINISTRATION	177	-	-	-	-	-	177	-	-
LIBRARY OF CONGRESS	411	-	-	-	-	-	-	-	411
NATIONAL AERONAUTICS & SPACE ADMIN	577,027	6,582	8,333	15,414	136,939	904	401,703	1,350	6,332
NATIONAL SCIENCE FOUNDATION	76,543	7,158	678	7,159	13,210	1,245	14,995	19,954	12,144
NUCLEAR REGULATORY COMMISSION	101,040	-	-	-	-	-	101,040	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	1,599	-	-	-	-	-	1,002	597	-
SMALL BUSINESS ADMINISTRATION	550	-	-	-	-	-	-	550	-
TENNESSEE VALLEY AUTHORITY	17,597	2,058	-	1,840	-	-	13,566	113	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,355	-	-	-	110	360	705	180	-
UNITED STATES INFORMATION AGENCY	101	-	-	-	-	-	101	-	-
VETERANS ADMINISTRATION	87,697	78,388	5,570	-	-	-	-	2281	3,061

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-54. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	5,331,194	1,789,563	84,175	475,907	355,379	83,980	2,039,553	283,980	218,657
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	295,189	170,617	-	30,213	9,793	2,480	31,054	45,032	-
AGRICULTURAL RESEARCH SERVICE	138,582	84,618	-	29,573	1,857	-	20,649	1,885	-
COOPERATIVE STATE RESEARCH SERVICE	75,822	52,101	-	3,791	474	-	2,599	16,857	-
ECONOMIC RESEARCH SERVICE	21,286	-	-	-	-	-	-	21,286	-
FARMER COOPERATIVE SERVICE	1,272	-	-	-	-	-	-	1,272	-
FOREST SERVICE	56,972	33,898	-	2,849	7,462	684	7,806	4,273	-
STATISTICAL REPORTING SERVICE	1,255	-	-	-	-	1,255	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	145,156	47,968	104	19,554	50,554	2,654	15,784	7,954	574
BUREAU OF THE CENSUS	652	-	104	-	-	82	-	466	-
ECONOMIC DEVELOPMENT ADMINISTRATION	650	-	-	-	-	-	-	650	-
MARITIME ADMINISTRATION	3,438	-	-	-	-	-	3,076	362	-
NATIONAL BUREAU OF STANDARDS	33,643	-	-	19,554	-	2,572	11,517	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	579	-	-	-	-	-	-	-	579
NATIONAL OCEANIC AND ATMOS ADMIN	105,208	47,968	-	-	50,554	-	575	6,111	-
OFFICE OF MINORITY BUSINESS ENTERP	365	-	-	-	-	-	-	365	-
OFFICE OF TELECOMMUNICATIONS	410	-	-	-	-	-	410	-	-
PATENT & TRADEMARK OFFICE	211	-	-	-	-	-	211	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,719,676	100,572	46,754	101,270	78,401	53,944	1,155,054	2,552	225,031
DEPARTMENT OF THE ARMY	348,205	55,815	10,654	62,392	8,097	3,264	180,129	1,753	18,101
DEPARTMENT OF THE NAVY	244,505	6,980	4,334	51,012	14,616	25,747	140,966	-	-
DEPARTMENT OF THE AIR FORCE	745,200	33,216	16,727	9,237	15,984	3,250	670,786	-	-
DEFENSE AGENCIES	378,766	4,432	4,588	37,755	39,704	21,545	162,864	715	106,763
DEPARTMENTWIDE FUNDS	1,000	129	491	174	-	88	309	84	167
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,392,099	1,149,806	24,582	7,344	-	17,214	10,941	110,834	71,278
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	63,197	31,785	19,464	365	-	828	-	8,467	2,288
CENTER FOR DISEASE CONTROL	52,909	52,909	-	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	37,989	37,989	-	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	14,883	4,876	-	-	-	-	-	9,757	250
HEALTH SERVICES ADMINISTRATION	8,267	8,267	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	12,899	-	-	-	-	-	-	12,899	-
NATIONAL INSTITUTES OF HEALTH	1,131,160	1,012,478	3,889	6,979	-	16,486	10,941	11,047	68,740
OFFICE OF EDUCATION	5,678	-	-	-	-	-	-	5,678	-
OFFICE OF HUMAN DEVELOPMENT	6,825	1,502	1,229	-	-	-	-	4,094	-
OFFICE OF ASS'T SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037	-
OFFICE OF THE SECRETARY	23,440	-	-	-	-	-	-	23,440	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	24,615	-	-	-	-	-	-	24,615	-
DEPT OF HOUSING & URBAN DEVELOPMENT	41,200	-	-	-	6,350	-	3,300	35,550	-
DEPARTMENT OF THE INTERIOR, TOTAL	132,161	14,459	300	4,975	28,122	2,189	76,204	5,669	1,143
BONNEVILLE POWER ADMINISTRATION	30	-	-	-	-	-	30	-	-
BUREAU OF LAND MANAGEMENT	980	980	-	-	-	-	-	-	-
BUREAU OF MINES	71,475	-	-	1,000	2,385	1,590	66,500	-	-
BUREAU OF OUTDOOR RECREATION	201	-	-	-	-	-	-	201	-
BUREAU OF RECLAMATION	7,563	419	-	-	4,670	-	2,344	130	-
GEOLOGICAL SURVEY	22,680	-	-	2,595	17,387	499	2,199	-	-
NATIONAL PARK SERVICE	9,051	3,584	-	30	675	-	-	4,119	643
OFFICE OF THE SECRETARY	1,236	-	-	-	605	-	631	-	-
OFFICE OF WATER RES AND TECHNOLOGY	11,850	2,200	300	450	2,900	100	4,500	1,400	500
US FISH AND WILDLIFE SERVICE	7,276	7,276	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	15,099	800	-	-	-	-	2,143	11,056	1,100
BUREAU OF PRISONS	183	-	-	-	-	-	-	183	-
DRUG ENFORCEMENT ADMINISTRATION	1,493	450	-	-	-	-	1,043	-	-
IMMIGRATION & NATURALIZATION SERVICE	200	-	-	-	-	-	100	-	100
LAW ENFORCEMENT ASSISTANCE ADMIN	13,223	350	-	-	-	-	1,000	10,873	1,000
DEPARTMENT OF LABOR, TOTAL	21,305	-	228	-	-	-	-	21,077	-
BUREAU OF LABOR STATISTICS	743	-	-	-	-	-	-	743	-
EMPLOYMENT AND TRAINING ADMIN	4,979	-	228	-	-	-	-	4,751	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	-	-	-	-	-	-	5,450	-
LABOR-MANAGEMENT SERVICES ADMIN	1,633	-	-	-	-	-	-	1,633	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	6,300	-	-	-	-	-	-	6,300	-
OFFICE OF THE SECRETARY	2,200	-	-	-	-	-	-	2,200	-
DEPARTMENT OF STATE, TOTAL	22,380	15,473	-	-	555	-	1,160	5,297	95
DEPARTMENTAL FUNDS	1,014	-	-	-	-	-	-	1,014	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,366	15,473	-	-	355	-	1,160	4,283	95
DEPT OF TRANSPORTATION, TOTAL	58,240	2,304	-	49	1,870	64	50,599	1,354	-
FEDERAL AVIATION ADMINISTRATION	15,170	-	-	-	-	-	14,860	310	-
FEDERAL HIGHWAY ADMINISTRATION	1,528	-	-	-	-	-	1,528	-	-
FEDERAL RAILROAD ADMINISTRATION	6,442	-	-	-	-	-	6,442	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	14,650	2,250	-	-	-	-	11,455	945	-
OFFICE OF THE SECRETARY	4,190	54	-	49	1,570	62	2,334	121	-
UNITED STATES COAST GUARD	3,592	-	-	-	300	-	3,292	-	-
URBAN MASS TRANSPORTATION ADMIN	10,668	-	-	-	-	-	10,668	-	-
DEPARTMENT OF THE TREASURY, TOTAL	453	-	-	440	-	-	13	-	-
BUREAU OF ENGRAVING AND PRINTING	453	-	-	440	-	-	13	-	-

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TABLE C-56. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
OTHER AGENCIES									
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,402	-	-	-	-	-	-	1,402	-
CIVIL AERONAUTICS BOARD	483	-	-	-	-	-	-	483	-
CIVIL SERVICE COMMISSION	933	-	933	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,900	-	-	-	-	-	1,700	200	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	459,914	104,294	-	196,629	18,719	-	79,272	5,000	-
ENVIRONMENTAL PROTECTION AGENCY	123,988	28,288	-	28,000	5,700	2,300	53,600	5,600	-
FEDERAL COMMUNICATIONS COMMISSION	1,584	-	-	-	-	-	883	701	-
FEDERAL HOME LOAN BANK BOARD	829	-	-	-	-	-	-	829	-
FEDERAL TRADE COMMISSION	1,270	-	-	-	-	-	-	1,270	-
GENERAL SERVICES ADMINISTRATION	75	-	-	-	-	-	75	-	-
LIBRARY OF CONGRESS	479	-	-	-	-	-	-	-	479
NATIONAL AERONAUTICS & SPACE ADMIN	603,278	8,377	9,309	18,069	140,268	904	412,347	1,302	6,702
NATIONAL SCIENCE FOUNDATION	72,072	6,773	732	5,869	13,172	1,858	14,233	19,090	10,350
NUCLEAR REGULATORY COMMISSION	114,390	-	-	-	-	-	114,390	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	1,415	-	-	-	-	-	1,063	352	-
SMALL BUSINESS ADMINISTRATION	550	-	-	-	-	-	-	550	-
TENNESSEE VALLEY AUTHORITY	19,581	2,379	-	2,300	-	-	14,708	194	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,683	-	-	-	75	275	915	415	-
UNITED STATES INFORMATION AGENCY	110	-	-	-	-	-	110	-	-
VETERANS ADMINISTRATION	84,803	77,453	5,235	-	-	-	-	215	1,900

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-55. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	85,124	22,501	59,693	2,930	409,182	7,120	129,480	238,597	33,977
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	29,037	-	24,095	4,942	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	24,094	-	20,560	3,534	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	3,135	-	3,135	-	-
FOREST SERVICE	-	-	-	-	2,608	-	1,200	1,408	-
DEPARTMENT OF COMMERCE, TOTAL	71	-	71	-	16,175	380	5,120	10,675	-
BUREAU OF THE CENSUS	71	-	71	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	16,165	380	5,110	10,675	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	10	-	10	-	-
DEPARTMENT OF DEFENSE, TOTAL	41,459	1,431	38,867	1,161	108,754	4,096	35,343	101,587	27,728
DEPARTMENT OF THE ARMY	7,613	234	12,291	88	60,595	2,048	21,364	31,431	13,754
DEPARTMENT OF THE NAVY	3,767	904	3,363	-	44,238	1,056	8,993	34,189	-
DEPARTMENT OF THE AIR FORCE	20,794	650	20,144	-	14,040	992	4,963	8,085	-
DEFENSE AGENCIES	9,182	133	2,996	2,053	41,591	-	25	27,592	13,974
DEPARTMENTWIDE FUNDS	83	10	73	-	290	-	-	290	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	28,007	15,979	11,993	575	8,650	-	7,698	952	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	22,581	12,816	9,190	575	298	-	298	-	-
NATIONAL INSTITUTES OF HEALTH	4,152	2,663	1,489	-	8,352	-	7,400	952	-
OFFICE OF HUMAN DEVELOPMENT	1,274	-	1,274	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	315	-	315	-	3,774	-	3,207	567	-
BUREAU OF MINES	-	-	-	-	800	-	800	-	-
GEOLOGICAL SURVEY	-	-	-	-	2,431	-	1,964	467	-
NATIONAL PARK SERVICE	-	-	-	-	25	-	25	-	-
OFFICE OF WATER RES AND TECHNOLOGY	315	-	315	-	518	-	418	100	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	92	-	92	-	-
DRUG ENFORCEMENT ADMINISTRATION	-	-	-	-	92	-	92	-	-
DEPARTMENT OF LABOR, TOTAL	455	-	455	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	455	-	455	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	170	-	164	6	-
OFFICE OF THE SECRETARY	-	-	-	-	170	-	164	6	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	387	-	85	55	247
BUREAU OF ENGRAVING AND PRINTING	-	-	-	-	387	-	85	55	247
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	972	-	572	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	127,176	-	22,318	104,777	81
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	27,500	-	21,000	6,500	-
NATIONAL AERONAUTICS & SPACE ADMIN	7,933	1,958	5,719	1,15	13,801	2,292	1,705	3,883	5,921
NATIONAL SCIENCE FOUNDATION	638	463	175	-	11,366	360	6,353	4,653	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,500	-	1,500	-	-
VETERANS ADMINISTRATION	5,494	4,070	1,166	38	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-56. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	PSYCHOLOGY			PHYSICAL SCIENCES				
		BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	81,905	23,235	55,681	2,989	444,091	5,087	141,447	258,598	38,909
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	34,525	-	28,915	5,610	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	28,674	-	24,127	4,147	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	3,562	-	3,562	-	-
FOREST SERVICE	-	-	-	-	2,709	-	1,246	1,463	-
DEPARTMENT OF COMMERCE, TOTAL	90	-	90	-	19,004	439	6,222	12,343	-
BUREAU OF THE CENSUS	90	-	90	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	18,964	439	6,182	12,343	-
NATIONAL OCEANIC AND ATMOS ADMIN	-	-	-	-	40	-	40	-	-
DEPARTMENT OF DEFENSE, TOTAL	36,899	1,366	33,583	1,950	147,261	1,722	32,499	81,306	31,734
DEPARTMENT OF THE ARMY	12,680	240	12,318	402	49,321	342	23,170	10,558	15,251
DEPARTMENT OF THE NAVY	3,156	268	2,888	-	42,410	765	5,576	36,069	-
DEPARTMENT OF THE AIR FORCE	16,673	817	15,856	-	4,207	615	3,256	5,336	-
DEFENSE AGENCIES	4,305	68	2,489	1,788	46,027	-	497	29,047	16,483
DEPARTMENTWIDE FUNDS	85	53	32	-	296	-	-	296	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	28,858	15,889	12,354	615	8,822	-	7,770	1,052	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	23,075	13,091	9,369	615	368	-	368	-	-
NATIONAL INSTITUTES OF HEALTH	4,390	2,798	1,592	-	8,454	-	7,402	1,052	-
OFFICE OF HUMAN DEVELOPMENT	1,393	-	1,393	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	267	-	267	-	4,176	-	3,623	553	-
BUREAU OF MINES	-	-	-	-	1,300	-	1,100	-	-
GEOLOGICAL SURVEY	-	-	-	-	2,437	-	1,968	469	-
OFFICE OF WATER RES AND TECHNOLOGY	267	-	267	-	439	-	355	84	-
DEPARTMENT OF LABOR, TOTAL	207	-	207	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	207	-	207	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	55	-	53	2	-
OFFICE OF THE SECRETARY	-	-	-	-	55	-	53	2	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	411	-	90	58	263
BUREAU OF ENGRAVING AND PRINTING	-	-	-	-	411	-	90	58	263
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	1,003	-	1,003	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	185,374	-	21,753	143,621	-
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	40,000	-	33,000	7,000	-
NATIONAL AERONAUTICS & SPACE ADMIN	8,333	1,188	6,780	365	15,414	2,496	1,614	4,392	6,912
NATIONAL SCIENCE FOUNDATION	678	503	175	-	7,159	430	4,068	2,661	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,840	-	1,840	-	-
VETERANS ADMINISTRATION	5,970	4,269	1,222	59	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-57. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	89,175	20,705	58,824	9,386	475,907	5,024	176,373	278,349	16,161
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	36,213	-	30,238	5,875	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	29,573	-	25,236	4,337	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	3,791	-	3,791	-	-
FOREST SERVICE	-	-	-	-	2,849	-	1,311	1,538	-
DEPARTMENT OF COMMERCE, TOTAL	104	-	104	-	19,554	453	6,374	12,727	-
BUREAU OF THE CENSUS	104	-	104	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	-	-	-	-	19,554	453	6,374	12,727	-
DEPARTMENT OF DEFENSE, TOTAL	42,736	1,537	38,341	2,874	181,372	1,486	37,757	75,175	46,954
DEPARTMENT OF THE ARMY	18,654	282	16,317	55	82,392	180	25,157	12,578	24,477
DEPARTMENT OF THE NAVY	9,334	404	3,930	-	51,842	690	8,803	42,349	-
DEPARTMENT OF THE AIR FORCE	16,727	823	15,907	-	9,237	616	3,267	5,354	-
DEFENSE AGENCIES	4,988	-	2,169	2,819	37,755	-	530	14,750	22,475
DEPARTMENTWIDE FUNDS	49	31	18	-	174	-	-	174	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	24,582	13,373	10,570	639	7,344	-	6,335	1,009	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	19,464	10,917	7,908	639	365	-	365	-	-
NATIONAL INSTITUTES OF HEALTH	3,804	2,456	1,433	-	6,979	-	5,970	1,009	-
OFFICE OF HUMAN DEVELOPMENT	1,229	-	1,229	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	300	-	300	-	4,075	30	3,446	599	-
BUREAU OF MINES	-	-	-	-	1,000	-	1,000	-	-
GEOLOGICAL SURVEY	-	-	-	-	2,595	-	2,096	499	-
NATIONAL PARK SERVICE	-	-	-	-	30	30	-	-	-
OFFICE OF WATER RES AND TECHNOLOGY	300	-	300	-	450	-	350	100	-
DEPARTMENT OF LABOR, TOTAL	228	-	228	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	228	-	228	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	-	-	-	-	49	-	47	2	-
OFFICE OF THE SECRETARY	-	-	-	-	49	-	47	2	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	440	-	96	62	282
BUREAU OF ENGRAVING AND PRINTING	-	-	-	-	440	-	96	62	282
OTHER AGENCIES									
CIVIL SERVICE COMMISSION	933	-	933	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	192,629	-	22,357	170,072	-
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	28,000	-	22,000	6,000	-
NATIONAL AERONAUTICS & SPACE ADMIN	5,309	1,463	7,028	818	18,069	2,604	1,739	9,799	8,927
NATIONAL SCIENCE FOUNDATION	736	552	180	-	5,864	451	3,384	2,029	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	2,340	-	2,300	-	-
VETERANS ADMINISTRATION	5,235	4,040	1,140	55	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-58. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES				ENVIRONMENTAL SCIENCES			
		BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,673,949	651,569	711,892	208,944	94,184	132,712	154,712	55,093	49,229	64,678
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	142,062	140,226	2,836	-	-	8,737	3,911	744	-	4,082
AGRICULTURAL RESEARCH SERVICE	68,940	68,940	-	-	-	1,513	161	327	-	1,005
COOPERATIVE STATE RESEARCH SERVICE	43,088	40,250	2,838	-	-	392	392	-	-	-
FOREST SERVICE	31,034	31,034	-	-	-	6,832	3,358	417	-	3,077
DEPARTMENT OF COMMERCE, TOTAL	40,580	40,580	-	-	-	41,254	24,518	1,355	15,181	-
NATIONAL OCEANIC AND ATMOS ADMIN	40,580	40,580	-	-	-	41,254	24,518	1,355	15,181	-
DEPARTMENT OF DEFENSE, TOTAL	100,862	26,969	34,729	32,947	1,166	78,414	47,836	10,160	15,309	5,109
DEPARTMENT OF THE ARMY	49,836	7,989	28,971	12,876	-	7,126	3,512	1,867	1,747	-
DEPARTMENT OF THE NAVY	7,068	538	5,673	-	857	15,278	3,280	110	11,888	-
DEPARTMENT OF THE AIR FORCE	40,304	333	-	39,671	-	17,860	17,403	383	-	-
DEFENSE AGENCIES	3,760	2,925	-	-	305	38,149	23,561	7,800	1,674	5,109
DEPARTMENTWIDE FUNDS	214	129	85	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,105,946	681,022	616,780	186,508	30,829	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	36,820	16,019	6,023	4,584	8,194	-	-	-	-	-
CENTER FOR DISEASE CONTROL	42,364	-	-	42,364	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	35,856	28,217	-	7,639	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	4,181	-	4,181	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	5,406	-	5,069	-	349	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	974,935	616,786	599,742	112,081	30,296	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	1,769	-	1,765	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	1,862	-	-	-	1,862
DEPARTMENT OF THE INTERIOR, TOTAL	13,534	13,499	-	53	27	25,267	4,229	20,172	18	848
BUREAU OF LAND MANAGEMENT	681	681	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	1,932	-	1,930	-	-
BUREAU OF RECLAMATION	550	550	-	-	-	4,038	3,997	41	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	15,957	-	15,957	-	-
NATIONAL PARK SERVICE	3,229	3,229	-	-	-	579	12	287	8	371
OFFICE OF THE SECRETARY	-	-	-	-	-	6	-	6	-	-
OFFICE OF WATER RES AND TECHNOLOGY	2,935	2,335	-	53	27	2,657	219	1,951	10	477
US FISH AND WILDLIFE SERVICE	6,059	6,059	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,117	832	-	285	-	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	832	832	-	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	285	-	-	285	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	12,838	9,809	3,029	-	-	307	-	307	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	12,838	9,809	3,029	-	-	307	-	307	-	-
DEPT OF TRANSPORTATION, TOTAL	1,904	186	1,718	-	-	5,655	3,060	-	258	2,337
NATL HIGHWAY TRAFFIC SAFETY ADMIN	1,718	-	1,718	-	-	5,397	3,060	-	-	2,337
OFFICE OF THE SECRETARY	186	186	-	-	-	-	-	-	-	-
UNITED STATES COAST GUARD	-	-	-	-	-	258	-	-	258	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	128,721	119,805	8,916	-	-	14,438	8,830	587	5,021	-
ENVIRONMENTAL PROTECTION AGENCY	27,700	23,600	-	4,100	-	5,700	3,300	1,000	1,400	-
NATIONAL AERONAUTICS & SPACE ADMIN	10,995	2,860	749	6,157	1,229	127,725	50,146	16,586	10,573	50,440
NATIONAL SCIENCE FOUNDATION	6,223	6,223	-	-	-	12,516	6,902	4,147	1,469	-
SPEC ACTION OFF-DRUG ABUSE PREVENTION	3,862	-	3,862	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	1,863	1,863	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	35	-	35	-	-
VETERANS ADMINISTRATION	74,804	18,287	37,241	18,364	912	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-59. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 ESTIMATES[1]

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES						ENVIRONMENTAL SCIENCES				
	TOTAL	BIOLOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES, NEC	TOTAL	ATMOSPHERIC SCIENCES	GEOLOGICAL SCIENCES	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES, NEC
TOTAL, ALL AGENCIES	1,931,647	729,477	777,029	202,653	99,778	326,175	103,564	55,458	56,557	65,576
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	161,619	123,609	3,405	-	-	9,326	4,123	827	-	4,376
AGRICULTURAL RESEARCH SERVICE	85,901	80,901	-	-	-	2,775	442	334	-	1,999
COOPERATIVE STATE RESEARCH SERVICE	98,071	93,466	3,205	-	-	493	493	-	-	-
FOREST SERVICE	32,642	32,642	-	-	-	7,058	3,488	433	-	3,137
DEPARTMENT OF COMMERCE, TOTAL	45,074	45,074	-	-	-	48,966	28,621	1,099	19,246	-
NATIONAL OCEANIC AND ATMOS ADMIN	45,074	45,074	-	-	-	48,966	28,621	1,099	19,246	-
DEPARTMENT OF DEFENSE, TOTAL	94,714	13,498	22,773	47,624	10,819	73,518	45,168	12,435	14,085	1,830
DEPARTMENT OF THE ARMY	50,493	8,890	26,962	14,371	-	8,561	2,405	4,299	1,857	-
DEPARTMENT OF THE NAVY	8,952	345	5,706	-	899	44,961	2,971	902	11,090	-
DEPARTMENT OF THE AIR FORCE	33,108	465	-	32,843	-	15,933	15,593	340	-	-
DEFENSE AGENCIES	4,194	3,014	-	-	280	24,001	24,199	4,894	1,128	1,830
DEPARTMENT-WIDE FUNDS	819	134	85	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,411,003	477,743	708,854	207,447	16,959	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	37,176	10,242	8,250	9,938	8,936	-	-	-	-	-
CENTER FOR DISEASE CONTROL	50,676	-	-	50,676	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	16,856	8,951	-	7,905	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	5,196	-	5,196	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	7,985	-	7,635	-	350	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	1,078,212	326,470	686,071	114,308	33,163	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	1,706	-	1,706	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	1,600	-	-	-	1,600
DEPARTMENT OF THE INTERIOR, TOTAL	14,085	14,018	-	45	22	20,117	4,840	10,540	109	628
BUREAU OF LAND MANAGEMENT	739	739	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	2,372	-	2,372	-	-
BUREAU OF RECLAMATION	594	594	-	-	-	1,078	1,052	26	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	10,196	-	10,196	-	-
NATIONAL PARK SERVICE	3,618	3,618	-	-	-	560	1	337	-	222
OFFICE OF THE SECRETARY	-	-	-	-	-	112	-	10	100	-
OFFICE OF WATER RES AND TECHNOLOGY	2,048	1,581	-	45	22	2,259	186	1,654	9	408
US FISH AND WILDLIFE SERVICE	7,086	7,086	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	900	550	-	350	-	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	550	550	-	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	350	-	-	350	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	12,439	8,671	3,572	196	-	380	-	380	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	12,439	8,671	3,572	196	-	380	-	380	-	-
DEPT OF TRANSPORTATION, TOTAL	2,141	61	2,130	-	-	2,068	1,002	-	300	766
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,123	-	2,123	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	61	61	-	-	-	1,768	1,002	-	-	766
UNITED STATES COAST GUARD	-	-	-	-	-	300	-	-	300	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	157,941	145,757	12,184	-	-	15,881	10,740	175	5,966	-
ENVIRONMENTAL PROTECTION AGENCY	36,700	32,400	-	4,300	-	7,600	3,350	2,550	1,700	-
NATIONAL AERONAUTICS & SPACE ADMIN	6,582	796	1,975	3,352	459	130,409	57,969	13,295	8,749	50,396
NATIONAL SCIENCE FOUNDATION	7,158	5,658	-	500	-	13,213	7,751	4,057	1,402	-
TENNESSEE VALLEY AUTHORITY	2,058	2,058	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	110	-	110	-	-
VETERANS ADMINISTRATION	78,38	19,270	38,811	19,349	958	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-60. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIOLOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOSPHERIC SCIENCES	GEOLOGICAL SCIENCES	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,785,963	720,334	754,800	274,452	36,969	355,379	170,657	55,607	53,567	75,548
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	170,617	167,185	3,432	-	-	9,793	4,342	857	-	4,594
AGRICULTURAL RESEARCH SERVICE	84,618	84,618	-	-	-	1,857	222	402	-	1,233
COOPERATIVE STATE RESEARCH SERVICE	52,101	49,669	2,432	-	-	474	474	-	-	-
FOREST SERVICE	33,898	33,898	-	-	-	7,462	3,646	455	-	3,361
DEPARTMENT OF COMMERCE, TOTAL	47,968	47,968	-	-	-	50,554	31,440	1,465	17,649	-
NATIONAL OCEANIC AND ATMOS ADMIN	47,968	47,968	-	-	-	50,554	31,440	1,465	17,649	-
DEPARTMENT OF DEFENSE, TOTAL	130,572	15,373	36,635	67,568	996	78,401	44,753	17,323	16,914	3,411
DEPARTMENT OF THE ARMY	55,815	10,261	30,936	14,618	-	8,097	2,991	3,223	1,883	-
DEPARTMENT OF THE NAVY	6,980	535	5,649	-	796	19,616	2,560	1,180	13,876	-
DEPARTMENT OF THE AIR FORCE	32,216	200	-	32,450	-	15,984	15,644	340	-	-
DEFENSE AGENCIES	34,932	4,232	-	-	200	37,734	23,558	8,580	4,155	3,411
DEPARTMENTWIDE FUNDS	129	79	50	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,145,806	259,100	658,331	200,252	28,123	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	31,789	14,008	7,832	9,291	9,659	-	-	-	-	-
CENTER FOR DISEASE CONTROL	54,909	-	-	54,909	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	37,989	29,926	-	8,063	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	9,876	-	9,876	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	8,267	-	7,910	-	357	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	1,012,478	210,166	636,211	134,989	31,112	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	1,502	-	1,502	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	2,350	-	-	-	2,350
DEPARTMENT OF THE INTERIOR, TOTAL	14,459	14,384	-	50	25	68,122	4,860	21,938	10	1,314
BUREAU OF LAND MANAGEMENT	980	980	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	2,385	-	2,385	-	-
BUREAU OF RECLAMATION	419	419	-	-	-	4,670	4,650	20	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	17,387	-	17,387	-	-
NATIONAL PARK SERVICE	3,584	3,584	-	-	-	675	10	401	-	264
OFFICE OF THE SECRETARY	-	-	-	-	-	605	-	5	-	600
OFFICE OF WATER RES AND TECHNOLOGY	2,600	2,125	-	50	25	2,400	200	1,740	10	450
US FISH AND WILDLIFE SERVICE	7,276	7,276	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	800	450	-	350	-	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	450	450	-	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	350	-	-	350	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	15,473	10,309	4,664	500	-	355	-	355	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	15,473	10,309	4,664	500	-	355	-	355	-	-
DEPT OF TRANSPORTATION, TOTAL	2,209	59	2,150	-	-	1,870	890	-	300	680
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,150	-	2,150	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	59	59	-	-	-	1,570	890	-	-	680
UNITED STATES COAST GUARD	-	-	-	-	-	300	-	-	300	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	184,294	154,563	9,731	-	-	18,719	11,771	97	6,851	-
ENVIRONMENTAL PROTECTION AGENCY	28,286	24,886	-	3,400	-	5,700	3,400	900	1,400	-
NATIONAL AERONAUTICS & SPACE ADMIN	8,377	3,288	1,402	2,717	970	146,268	61,261	12,969	8,839	63,199
NATIONAL SCIENCE FOUNDATION	6,773	6,273	-	500	-	13,172	7,940	3,628	1,604	-
TENNESSEE VALLEY AUTHORITY	2,379	2,379	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	75	-	75	-	-
VETERANS ADMINISTRATION	77,453	19,120	38,363	19,115	855	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-61. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICA	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING DEC
TOTAL, ALL AGENCIES	1,813,485	567,171	157,164	83,571	132,034	207,161	117,102	156,572	392,310
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	28,119	-	-	2,675	2,383	197	1,993	-	17,891
AGRICULTURAL RESEARCH SERVICE	18,623	-	-	2,973	1,699	45	779	-	11,832
COOPERATIVE STATE RESEARCH SERVICE	2,150	-	-	-	-	-	-	-	2,150
FOREST SERVICE	7,346	-	-	202	1,669	152	1,214	-	3,909
DEPARTMENT OF COMMERCE, TOTAL	18,129	-	-	80	9,155	2,795	622	1,076	4,402
MARITIME ADMINISTRATION	2,888	-	-	-	2,081	400	389	-	918
NATIONAL BUREAU OF STANDARDS	11,097	-	-	-	2,092	1,846	349	1,076	5,784
NATIONAL OCEANIC AND ATMOS ADMIN	432	-	-	-	432	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	962	-	-	-	-	962	-	-	-
PATENT & TRADEMARK OFFICE	250	-	-	80	-	85	85	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,342,190	357,006	75,173	27,068	39,170	165,955	72,495	72,976	227,403
DEPARTMENT OF THE ARMY	147,348	44,358	2,648	4,975	9,030	45,676	14,359	11,406	15,516
DEPARTMENT OF THE NAVY	119,835	14,158	-	8,091	5,295	29,379	35,491	12,922	3,499
DEPARTMENT OF THE AIR FORCE	648,852	298,184	72,504	14,192	13,698	90,319	20,436	41,319	137,950
DEFENSE AGENCIES	425,594	931	421	600	11,262	39,022	2,186	6,119	70,513
DEPARTMENTWIDE FUNDS	519	-	-	-	884	61	43	-	166
DEPT OF HEALTH, ED, & WELFARE, TOTAL	10,516	-	-	-	-	-	-	-	10,516
NATIONAL INSTITUTES OF HEALTH	10,516	-	-	-	-	-	-	-	10,516
DEPT OF HOUSING & URBAN DEVELOPMENT	2,972	-	-	-	972	-	548	549	1,900
DEPARTMENT OF THE INTERIOR, TOTAL	56,667	-	-	8,574	9,681	9,641	9,719	26,526	806
BONNEVILLE POWER ADMINISTRATION	976	-	-	-	-	976	-	-	-
BUREAU OF MINES	46,962	-	-	8,470	3,283	3,280	3,965	28,967	-
BUREAU OF RECLAMATION	2,502	-	-	14	2,478	190	26	-	-
GEOLOGICAL SURVEY	2,333	-	-	-	1,735	-	598	-	-
OFFICE OF THE SECRETARY	1,264	-	-	-	254	80	934	-	-
OFFICE OF WATER RES AND TECHNOLOGY	3,368	-	-	90	2,338	15	-	59	866
DEPARTMENT OF JUSTICE, TOTAL	49	-	-	-	-	49	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	49	-	-	-	-	49	-	-	-
DEPARTMENT OF STATE, TOTAL	1,690	-	-	-	1,110	-	580	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,690	-	-	-	1,110	-	586	-	-
DEPT OF TRANSPORTATION, TOTAL	44,375	3,838	160	-	34,427	4,327	1,623	-	-
FEDERAL AVIATION ADMINISTRATION	13,800	600	160	-	12,590	450	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	3,386	-	-	-	3,386	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	2,689	-	-	-	2,689	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	6,550	-	-	-	6,800	-	750	-	-
OFFICE OF THE SECRETARY	8,096	3,238	-	-	4,858	-	-	-	-
UNITED STATES COAST GUARD	2,955	-	-	-	489	2,793	873	-	-
URBAN MASS TRANSPORTATION ADMIN	2,899	-	-	-	1,615	1,084	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	13	-	-	-	-	-	-	13	-
BUREAU OF ENGRAVING AND PRINTING	13	-	-	-	-	-	-	13	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION	2,269	-	-	-	-	-	-	-	2,269
ENERGY RESEARCH & DEVELOPMENT ADMIN	76,080	-	-	29,427	17,030	5,656	7,210	11,611	9,076
ENVIRONMENTAL PROTECTION AGENCY	55,471	-	-	14,200	19,830	4,471	17,000	-	-
FEDERAL COMMUNICATIONS COMMISSION	671	-	-	-	-	671	-	-	-
FEDERAL ENERGY ADMINISTRATION	238	-	-	238	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	557	-	-	-	475	-	-	-	82
NATIONAL AERONAUTICS & SPACE ADMIN	376,734	205,727	77,386	2,813	256	17,578	9,665	39,493	23,616
NATIONAL SCIENCE FOUNDATION	23,428	-	-	990	990	990	990	2,728	18,910
NUCLEAR REGULATORY COMMISSION	64,155	-	-	-	-	-	-	-	64,155
OFFICE OF TELECOMMUNICATIONS POLICY	1,243	-	-	-	-	1,243	-	-	-
TENNESSEE VALLEY AUTHORITY	11,265	-	-	1,750	476	-	-	-	9,039
US ARMS CONTROL & DISARMAMENT AGENCY	674	-	245	-	-	150	-	-	279
UNITED STATES INFORMATION AGENCY	841	-	-	-	-	84	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-62. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING						
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	1,971,498	609,500	164,475	91,212	138,329	229,305	121,905	175,521	441,215
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	25,594	-	-	3,112	3,722	211	2,175	-	20,374
AGRICULTURAL RESEARCH SERVICE	19,746	-	-	6,902	1,988	53	914	-	13,885
COOPERATIVE STATE RESEARCH SERVICE	2,428	-	-	-	-	-	-	-	2,428
FOREST SERVICE	7,949	-	-	210	1,734	158	1,261	-	4,061
DEPARTMENT OF COMMERCE, TOTAL	15,565	-	-	69	5,026	2,860	803	1,156	5,651
MARITIME ADMINISTRATION	2,384	-	-	-	2,174	393	393	-	394
NATIONAL BUREAU OF STANDARDS	11,173	-	-	-	2,362	2,055	340	1,156	5,257
NATIONAL OCEANIC AND ATMOS ADMIN	496	-	-	-	496	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	343	-	-	-	-	343	-	-	-
PATENT & TRADEMARK OFFICE	208	-	-	69	-	69	70	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,091,803	389,641	79,143	24,911	37,893	165,291	78,725	80,308	239,984
DEPARTMENT OF THE ARMY	155,114	95,459	1,994	5,866	9,676	41,967	17,597	12,612	19,943
DEPARTMENT OF THE NAVY	128,345	12,791		10,381	3,919	46,109	38,235	15,634	1,781
DEPARTMENT OF THE AIR FORCE	668,616	263,486	76,766	8,564	7,209	46,143	16,637	44,234	145,583
DEFENSE AGENCIES	139,263	3,879	387	100	17,336	31,015	6,212	7,828	72,508
DEPARTMENTWIDE FUNDS	527	-	-	-	252	62	44	-	169
DEPT OF HEALTH, ED, & WELFARE, TOTAL	11,571	-	-	-	-	-	-	-	11,571
NATIONAL INSTITUTES OF HEALTH	11,571	-	-	-	-	-	-	-	11,571
DEPT OF HOUSING & URBAN DEVELOPMENT	2,900	-	-	-	500	-	700	500	1,200
DEPARTMENT OF THE INTERIOR, TOTAL	85,309	-	-	14,047	13,689	6,311	7,117	43,471	734
BONNEVILLE POWER ADMINISTRATION	513	-	-	-	-	513	-	-	-
BUREAU OF MINES	73,750	-	-	13,950	5,550	5,550	5,280	43,420	-
BUREAU OF RECLAMATION	2,681	-	-	21	2,478	170	12	-	-
GEOLOGICAL SURVEY	4,089	-	-	-	1,769	-	300	-	-
OFFICE OF THE SECRETARY	1,790	-	-	-	200	65	1,525	-	-
OFFICE OF WATER RES AND TECHNOLOGY	4,566	-	-	76	3,692	13	-	51	734
DEPARTMENT OF JUSTICE, TOTAL	3,900	-	-	-	1,000	1,900	-	-	1,000
DRUG ENFORCEMENT ADMINISTRATION	1,645	-	-	-	-	1,645	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	255	-	-	-	-	255	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,000	-	-	-	1,000	-	-	-	1,000
DEPARTMENT OF STATE, TOTAL	1,665	-	-	-	1,415	-	250	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,665	-	-	-	1,415	-	250	-	-
DEPT OF TRANSPORTATION, TOTAL	49,135	1,691	185	10,130	30,066	5,406	1,737	-	-
FEDERAL AVIATION ADMINISTRATION	13,350	580	185	-	12,150	435	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,777	-	-	-	1,777	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	10,852	-	-	-	10,852	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	10,850	-	-	10,100	-	-	750	-	-
OFFICE OF THE SECRETARY	6,656	1,061	-	-	1,591	-	-	-	-
UNITED STATES COAST GUARD	4,469	-	-	-	826	3,156	987	-	-
URBAN MASS TRANSPORTATION ADMIN	1,185	-	-	-	1,370	1,815	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	13	-	-	-	-	-	-	13	-
BUREAU OF ENGRAVING AND PRINTING	13	-	-	-	-	-	-	13	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION	1,734	-	-	-	-	-	-	-	1,734
ENERGY RESEARCH & DEVELOPMENT ADMIN	77,614	-	-	17,457	20,000	13,700	664	13,226	12,567
ENVIRONMENTAL PROTECTION AGENCY	66,165	-	-	15,800	23,565	6,100	20,700	-	-
FEDERAL COMMUNICATIONS COMMISSION	1,022	-	-	-	-	1,022	-	-	-
FEDERAL ENERGY ADMINISTRATION	119	-	-	119	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	177	-	-	-	136	6	-	-	35
NATIONAL AERONAUTICS & SPACE ADMIN	401,703	222,284	84,840	3,396	386	24,954	8,561	34,712	22,570
NATIONAL SCIENCE FOUNDATION	19,995	-	-	474	473	473	473	2,135	10,967
NUCLEAR REGULATORY COMMISSION	101,040	-	-	-	-	-	-	-	101,040
OFFICE OF TELECOMMUNICATIONS POLICY	1,002	-	32	-	-	970	-	-	-
TENNESSEE VALLEY AUTHORITY	13,546	-	-	1,727	461	-	-	-	11,358
US ARMS CONTROL & DISARMAMENT AGENCY	705	-	275	-	-	-	-	-	430
UNITED STATES INFORMATION AGENCY	101	-	-	-	-	101	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-63. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING						
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	MINING, MET.
TOTAL, ALL AGENCIES	2,335,553	628,498	165,733	66,277	126,184	243,613	123,971	100,393	476,418
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	24,054	-	-	3,256	3,402	222	4,282	-	21,392
AGRICULTURAL RESEARCH SERVICE	22,649	-	-	3,035	4,079	56	956	-	14,563
COOPERATIVE STATE RESEARCH SERVICE	2,599	-	-	-	-	-	-	-	2,599
FOREST SERVICE	1,806	-	-	221	1,623	166	1,326	-	4,270
DEPARTMENT OF COMMERCE, TOTAL	19,789	-	-	70	5,003	2,960	793	[illegible]	5,781
MARITIME ADMINISTRATION	2,076	-	-	-	1,493	361	361	-	-
NATIONAL BUREAU OF STANDARDS	11,517	-	-	-	2,935	2,119	351	[illegible]	5,920
NATIONAL OCEANIC AND ATMOS ADMIN	575	-	-	-	575	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	410	-	-	-	-	410	-	-	-
PATENT & TRADEMARK OFFICE	211	-	-	70	-	70	71	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,115,054	393,833	78,884	[illegible]	35,349	183,188	87,691	85,436	258,372
DEPARTMENT OF THE ARMY	180,129	48,934	1,597	7,479	16,963	55,104	20,05[illegible]	14,218	21,757
DEPARTMENT OF THE NAVY	190,960	19,686	-	16,659	9,027	50,602	19,216	17,761	22,555
DEPARTMENT OF THE AIR FORCE	670,786	324,533	77,612	8,593	7,631	46,252	16,690	[illegible]8,278	645,597
DEFENSE AGENCIES	162,886	3[illegible]	282	9,302	13,106	31,664	11,475	9,075	47,509
DEPARTMENTWIDE FUNDS	309	-	-	147	37	26	-	-	93
DEPT OF HEALTH, EDU & WELFARE, TOTAL	10,944	-	-	-	-	-	-	-	10,944
NATIONAL INSTITUTES OF HEALTH	10,944	-	-	-	-	-	-	-	10,944
DEPT OF HOUSING & URBAN DEVELOPMENT	3,300	-	-	-	650	-	550	700	1,400
DEPARTMENT OF THE INTERIOR, TOTAL	26,204	-	-	12,201	13,098	5,645	6,042	28,520	700
BONNEVILLE POWER ADMINISTRATION	30	-	-	-	-	30	-	-	-
BUREAU OF MINES	60,502	-	-	12,082	5,385	5,385	5,180	28,470	-
BUREAU OF RECLAMATION	2,344	-	-	21	2,140	165	12	-	-
GEOLOGICAL SURVEY	2,150	-	-	-	1,849	-	350	-	-
OFFICE OF THE SECRETARY	631	-	-	-	84	50	500	-	-
OFFICE OF WATER RES AND TECHNOLOGY	4,500	-	-	100	3,635	15	-	50	700
DEPARTMENT OF JUSTICE, TOTAL	2,143	-	-	-	-	1,143	-	-	1,000
DRUG ENFORCEMENT ADMINISTRATION	1,043	-	-	-	-	1,043	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	100	-	-	-	-	100	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	1,000	-	-	-	-	-	-	-	1,000
DEPARTMENT OF STATE, TOTAL	1,160	-	-	-	1,160	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,160	-	-	-	1,160	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	50,559	1,587	215	-	42,732	6,548	1,517	-	-
FEDERAL AVIATION ADMINISTRATION	14,860	645	215	-	13,515	485	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	1,528	-	-	-	1,528	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	6,442	-	-	-	6,442	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	11,455	-	-	-	10,665	-	790	-	-
OFFICE OF THE SECRETARY	2,354	942	-	-	1,412	-	-	-	-
UNITED STATES COAST GUARD	3,292	-	-	-	693	2,329	727	-	-
URBAN MASS TRANSPORTATION ADMIN	10,668	-	-	-	6,929	3,678	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	13	-	-	-	-	-	-	13	-
BUREAU OF ENGRAVING AND PRINTING	13	-	-	-	-	-	-	13	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION	1,700	-	-	-	-	-	-	-	1,700
ENERGY RESEARCH & DEVELOPMENT ADMIN	79,272	-	475	19,000	10,000	10,085	1,031	22,104	16,577
ENVIRONMENTAL PROTECTION AGENCY	53,600	-	-	24,600	17,000	5,000	17,000	-	-
FEDERAL COMMUNICATIONS COMMISSION	863	-	-	-	-	863	-	-	-
GENERAL SERVICES ADMINISTRATION	75	-	-	-	50	-	-	-	25
NATIONAL AERONAUTICS & SPACE ADMIN	412,347	233,278	85,657	2,308	373	20,229	5,495	36,065	29,178
NATIONAL SCIENCE FOUNDATION	14,[illegible]3	-	-	568	568	569	869	2,367	9,292
NUCLEAR REGULATORY COMMISSION	114,390	-	-	-	-	-	-	-	114,390
OFFICE OF TELECOMMUNICATIONS POLICY	1,063	-	32	-	-	1,031	-	-	-
TENNESSEE VALLEY AUTHORITY	14,708	-	-	1,916	302	-	-	-	12,490
US ARMS CONTROL & DISARMAMENT AGENCY	915	-	935	-	-	-	-	-	480
UNITED STATES INFORMATION AGENCY	113	-	-	-	-	110	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-64. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	SOCIAL SCIENCES							
	TOTAL	ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	220,582	6,806	104,594	956	941	10,086	39,867	67,272
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	38,216	-	36,031	362	-	-	1,132	691
AGRICULTURAL RESEARCH SERVICE	1,095	-	1,024	-	-	-	3	68
COOPERATIVE STATE RESEARCH SERVICE	13,942	-	13,204	-	-	-	738	-
ECONOMIC RESEARCH SERVICE	18,111	-	17,405	362	-	-	182	362
FARMER COOPERATIVE SERVICE	1,156	-	1,156	-	-	-	-	-
FOREST SERVICE	3,912	-	3,442	-	-	-	209	261
DEPARTMENT OF COMMERCE, TOTAL	7,739	-	7,582	-	-	-	157	-
BUREAU OF THE CENSUS	315	-	158	-	-	-	157	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,118	-	1,118	-	-	-	-	-
MARITIME ADMINISTRATION	143	-	143	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,281	-	5,281	-	-	-	-	-
OFFICE OF MINORITY BUSINESS ENTERP	882	-	882	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	3,767	-	1,073	-	18	1,347	421	908
DEPARTMENT OF THE ARMY	1,682	-	700	-	-	46	298	638
DEFENSE AGENCIES	1,946	-	316	-	18	1,287	55	270
DEPARTMENTWIDE FUNDS	139	-	57	-	-	14	68	-
DEPT OF HEALTH, ED, & WELFARE, TOTA	94,424	3,366	20,521	372	743	1,326	24,443	43,651
ALCOHOL, DRUG ABUSE & MENTAL HEALT	9,858	1,591	74	372	743	74	3,716	3,288
HEALTH RESOURCES ADMINISTRATION	9,060	-	5,156	-	-	1,254	1,950	700
NATIONAL INSTITUTE OF EDUCATION	2,174	-	-	-	-	-	-	2,174
NATIONAL INSTITUTES OF HEALTH	10,915	-	-	-	-	-	-	10,915
OFFICE OF EDUCATION	5,266	-	-	-	-	-	-	5,266
OFFICE OF HUMAN DEVELOPMENT	4,034	1,775	-	-	-	-	2,259	-
OFFICE OF ASS'T SECTY FOR EDUCATION	550	-	-	-	-	-	-	550
OFFICE OF THE SECRETARY	26,101	-	15,291	-	-	-	6,870	-
SOCIAL AND REHABILITATION SERVICE	9,648	-	-	-	-	-	9,648	-
SOCIAL SECURITY ADMINISTRATION	20,758	-	-	-	-	-	-	20,758
DEPT OF HOUSING & UREAN DEVELOPMENT	28,661	-	11,025	-	-	4,525	2,281	10,830
DEPARTMENT OF THE INTERIOR, TOTAL	5,144	3,125	714	64	-	548	467	226
BUREAU OF LAND MANAGEMENT	64	-	-	64	-	-	-	-
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	-	20
BUREAU OF RECLAMATION	184	-	85	-	-	-	99	-
NATIONAL PARK SERVICE	3,283	3,114	19	-	-	-	132	20
OFFICE OF WATER RES AND TECHNOLOGY	1,593	13	610	-	-	548	236	186
DEPARTMENT OF JUSTICE, TOTAL	5,475	-	-	-	-	-	5,475	-
LAW ENFORCEMENT ASSISTANCE ADMIN	5,475	-	-	-	-	-	5,475	-
DEPARTMENT OF LABOR, TOTAL	13,946	-	13,402	-	-	-	544	-
BUREAU OF LABOR STATISTICS	733	-	733	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	5,131	-	5,587	-	-	-	544	-
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	-	3,240	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	480	-	480	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,374	-	1,374	-	-	-	-	-
OFFICE OF THE SECRETARY	1,988	-	1,988	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,688	-	2,390	-	-	743	2,555	-
DEPARTMENTAL FUNDS	743	-	-	-	-	743	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,945	-	2,390	-	-	-	2,555	-
DEPT OF TRANSPORTATION, TOTAL	1,451	-	737	-	-	449	265	-
FEDERAL AVIATION ADMINISTRATION	323	-	323	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	780	-	370	-	-	410	-	-
OFFICE OF THE SECRETARY	348	-	44	-	-	39	265	-
OTHER AGENCIES								
ACTION	52	-	-	-	-	-	52	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,238	-	707	-	-	531	-	-
CIVIL AERONAUTICS BOARD	417	-	417	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	237	-	-	-	-	-	237	-
CONSUMER PRODUCT SAFETY COMMISSION	773	-	773	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,640	-	4,400	-	-	-	1,240	-
FEDERAL COMMUNICATIONS COMMISSION	461	-	461	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	663	-	663	-	-	-	-	-
FEDERAL TRADE COMMISSION	934	-	934	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	65	-	-	-	-	65	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	896	-	596	47	-	211	-	43
NATIONAL SCIENCE FOUNDATION	13,192	350	1,135	111	180	186	333	10,897
OFFICE OF TELECOMMUNICATIONS POLICY	883	-	783	-	-	-	100	-
SMALL BUSINESS ADMINISTRATION	172	-	172	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	79	-	79	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	153	-	-	-	-	153	-	-
VETERANS ADMINISTRATION	216	25	-	-	-	-	165	26

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-65. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	SOCIAL SCIENCES							
	TOTAL	ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	277,222	7,559	127,437	905	1,334	10,085	45,053	84,849
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	43,353	-	40,898	420	-	-	1,265	770
AGRICULTURAL RESEARCH SERVICE	1,285	-	1,202	-	-	-	4	79
COOPERATIVE STATE RESEARCH SERVICE	15,748	-	14,914	-	-	-	834	-
ECONOMIC RESEARCH SERVICE	21,002	-	19,952	420	-	-	210	420
FARMER COOPERATIVE SERVICE	1,654	-	1,654	-	-	-	-	-
FOREST SERVICE	4,664	-	3,576	-	-	-	217	271
DEPARTMENT OF COMMERCE, TOTAL	8,444	-	8,244	-	-	-	200	-
BUREAU OF THE CENSUS	399	-	199	-	-	-	200	-
ECONOMIC DEVELOPMENT ADMINISTRATION	2,000	-	2,000	-	-	-	-	-
MARITIME ADMINISTRATION	394	-	394	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,289	-	5,289	-	-	-	-	-
OFFICE OF MINORITY BUSINESS ENTERP	362	-	362	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	3,827	-	928	-	399	965	383	952
DEPARTMENT OF THE ARMY	1,872	-	750	-	-	57	313	752
DEFENSE AGENCIES	1,812	-	120	-	399	893	-	200
DEPARTMENTWIDE FUNDS	143	-	58	-	-	15	70	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	104,144	3,517	19,871	377	755	1,636	24,103	53,885
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	9,949	1,614	75	377	755	76	3,775	3,277
HEALTH RESOURCES ADMINISTRATION	11,296	-	6,445	-	-	1,560	2,391	900
NATIONAL INSTITUTE OF EDUCATION	5,296	-	-	-	-	-	-	5,296
NATIONAL INSTITUTES OF HEALTH	12,135	-	-	-	-	-	-	12,135
OFFICE OF EDUCATION	7,733	-	-	-	-	-	-	7,733
OFFICE OF HUMAN DEVELOPMENT	4,642	1,903	-	-	-	-	2,739	-
OFFICE OF ASST SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037
OFFICE OF THE SECRETARY	19,349	-	13,351	-	-	-	5,998	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	23,507	-	-	-	-	-	-	23,507
DEPT OF HOUSING & URBAN DEVELOPMENT	32,978	-	14,613	-	-	4,500	2,500	11,365
DEPARTMENT OF THE INTERIOR, TOTAL	5,845	3,639	618	-	-	464	429	365
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	-	20
BUREAU OF RECLAMATION	191	30	85	-	-	-	76	-
NATIONAL PARK SERVICE	3,953	3,598	15	-	-	-	153	187
OFFICE OF WATER RES AND TECHNOLOGY	1,351	11	518	-	-	464	200	158
DEPARTMENT OF JUSTICE, TOTAL	15,465	-	2,642	-	-	-	12,823	-
LAW ENFORCEMENT ASSISTANCE ADMIN	15,465	-	2,642	-	-	-	12,823	-
DEPARTMENT OF LABOR, TOTAL	18,306	-	17,888	-	-	-	418	-
BUREAU OF LABOR STATISTICS	620	-	620	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	5,907	-	5,489	-	-	-	418	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,433	-	5,433	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	1,066	-	1,066	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,300	-	2,300	-	-	-	-	-
OFFICE OF THE SECRETARY	2,380	-	2,380	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,536	-	3,753	-	-	1,013	770	-
DEPARTMENTAL FUNDS	1,013	-	-	-	-	1,013	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,523	-	3,753	-	-	-	770	-
DEPT OF TRANSPORTATION, TOTAL	1,291	-	702	-	-	502	87	-
FEDERAL AVIATION ADMINISTRATION	283	-	283	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	895	-	405	-	-	490	-	-
OFFICE OF THE SECRETARY	113	-	14	-	-	12	87	-
OTHER AGENCIES								
ACTION	15	-	-	-	-	-	15	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,261	-	700	-	-	561	-	-
CIVIL AERONAUTICS BOARD	456	-	456	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	680	-	680	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	4,000	-	4,000	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,300	-	4,000	-	-	-	1,300	-
FEDERAL COMMUNICATIONS COMMISSION	968	-	968	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	929	-	929	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	782	-	782	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,200	-	1,200	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,350	-	1,224	-	-	84	-	42
NATIONAL SCIENCE FOUNDATION	19,954	377	1,[illegible]	10	180	110	336	17,442
OFFICE OF TELECOMMUNICATIONS POLICY	597	-	347	-	-	-	250	-
SMALL BUSINESS ADMINISTRATION	550	-	550	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	113	-	113	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	180	-	-	-	-	180	-	-
VETERANS ADMINISTRATION	228	26	-	-	-	-	174	28

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-66. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	SOCIAL SCIENCES							
	TOTAL	ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	283,980	7,172	131,976	1,912	818	11,819	41,717	88,566
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	45,032	-	42,475	426	-	-	1,337	794
AGRICULTURAL RESEARCH SERVICE	1,344	-	1,257	-	-	-	4	83
COOPERATIVE STATE RESEARCH SERVICE	16,857	-	15,964	-	-	-	893	-
ECONOMIC RESEARCH SERVICE	21,286	-	20,222	426	-	-	212	426
FARMER COOPERATIVE SERVICE	1,272	-	1,272	-	-	-	-	-
FOREST SERVICE	4,273	-	3,760	-	-	-	228	285
DEPARTMENT OF COMMERCE, TOTAL	7,954	-	7,720	-	-	-	234	-
BUREAU OF THE CENSUS	466	-	232	-	-	-	234	-
ECONOMIC DEVELOPMENT ADMINISTRATION	650	-	650	-	-	-	-	-
MARITIME ADMINISTRATION	362	-	362	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	6,111	-	6,111	-	-	-	-	-
OFFICE OF MINORITY BUSINESS ENTERP	365	-	365	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,552	-	749	-	-	522	381	900
DEPARTMENT OF THE ARMY	1,753	-	565	-	-	28	340	820
DEFENSE AGENCIES	715	-	150	-	-	485	-	80
DEPARTMENTWIDE FUNDS	84	-	34	-	-	9	41	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	110,834	3,007	22,284	310	620	1,526	24,225	58,862
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	8,407	1,328	81	310	620	62	3,100	2,986
HEALTH RESOURCES ADMINISTRATION	9,757	-	6,449	-	-	1,464	2,244	-
NATIONAL INSTITUTE OF EDUCATION	12,899	-	-	-	-	-	-	12,899
NATIONAL INSTITUTES OF HEALTH	11,647	-	-	-	-	-	-	11,647
OFFICE OF EDUCATION	5,678	-	-	-	-	-	-	5,678
OFFICE OF HUMAN DEVELOPMENT	4,094	1,679	-	-	-	-	2,415	-
OFFICE OF ASST SECTY FOR EDUCATION	1,037	-	-	-	-	-	-	1,037
OFFICE OF THE SECRETARY	23,440	-	16,174	-	-	-	7,266	-
SOCIAL AND REHABILITATION SERVICE	9,200	-	-	-	-	-	9,200	-
SOCIAL SECURITY ADMINISTRATION	24,615	-	-	-	-	-	-	24,615
DEPT OF HOUSING & URBAN DEVELOPMENT	35,550	-	16,450	-	-	6,400	3,400	9,300
DEPARTMENT OF THE INTERIOR, TOTAL	5,069	3,714	590	-	-	540	485	340
BUREAU OF OUTDOOR RECREATION	20	-	-	-	-	-	-	20
BUREAU OF RECLAMATION	130	-	80	-	-	-	50	-
NATIONAL PARK SERVICE	4,119	3,704	10	-	-	-	235	170
OFFICE OF WATER RES AND TECHNOLOGY	1,400	10	500	-	-	540	200	150
DEPARTMENT OF JUSTICE, TOTAL	11,056	-	1,009	1,077	-	46	8,887	37
BUREAU OF PRISONS	183	-	9	-	-	46	91	37
LAW ENFORCEMENT ASSISTANCE ADMIN	10,873	-	1,000	1,077	-	-	8,796	-
DEPARTMENT OF LABOR, TOTAL	21,077	-	20,621	-	-	-	456	-
BUREAU OF LABOR STATISTICS	743	-	743	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	4,751	-	4,295	-	-	-	456	-
EMPLOYMENT STANDARDS ADMINISTRATION	5,450	-	5,450	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	1,633	-	1,633	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	6,300	-	6,300	-	-	-	-	-
OFFICE OF THE SECRETARY	2,200	-	2,200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,297	-	2,270	-	-	1,014	328	1,685
DEPARTMENTAL FUNDS	1,014	-	-	-	-	1,014	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,283	-	2,270	-	-	-	328	1,685
DEPT OF TRANSPORTATION, TOTAL	1,356	-	747	-	-	532	77	-
FEDERAL AVIATION ADMINISTRATION	310	-	310	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	96	-	425	-	-	520	-	-
OFFICE OF THE SECRETARY	101	-	12	-	-	12	77	-
OTHER AGENCIES								
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,402	-	701	-	-	701	-	-
CIVIL AERONAUTICS BOARD	483	-	483	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	200	-	200	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	5,000	-	5,000	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,600	-	4,400	-	-	-	1,200	-
FEDERAL COMMUNICATIONS COMMISSION	701	-	701	-	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	829	-	829	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,270	-	1,270	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,302	-	1,176	-	-	84	-	42
NATIONAL SCIENCE FOUNDATION	19,090	427	1,235	99	198	209	341	16,581
OFFICE OF TELECOMMUNICATIONS POLICY	352	-	152	-	-	-	200	-
SMALL BUSINESS ADMINISTRATION	550	-	550	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	194	-	194	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	415	-	170	-	-	245	-	-
VETERANS ADMINISTRATION	215	24	-	-	-	-	166	25

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-67. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL								
			UNITED STATES AND TERRITORIES								FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	12,115,050	2,982,662	7,118,180	587,758	297,855	514,087	326,881	55,378	111,641	20,628
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	18,138	16,944	256	-	493	-	11	-	-	434
AGRICULTURAL RESEARCH SERVICE	13,027	11,846	256	-	480	-	11	-	-	434
FOREST SERVICE	4,925	4,925	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	186	173	-	-	13	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	70,562	29,384	21,953	-	5,544	-	7,226	-	6,855	-
BUREAU OF THE CENSUS	354	354	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	9,221	170	308	-	512	-	4,372	-	3,859	-
MARITIME ADMINISTRATION	17,115	1,926	14,056	-	179	-	687	-	267	-
NATIONAL BUREAU OF STANDARDS	8,409	8,151	165	-	44	-	49	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	2,878	2,278	-	-	600	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	28,304	15,022	6,913	-	4,139	-	131	-	2,079	-
OFFICE OF MINORITY BUSINESS ENTERP	3,706	508	511	-	50	-	1,987	-	650	-
OFFICE OF TELECOMMUNICATIONS	725	725	-	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	250	250	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	7,219,404	2,101,063	4,786,096	128	10,224	115,987	72,515	125,656	7	7,726
DEPARTMENT OF THE ARMY	1,561,[illegible]	520,898	1,009,463	128	1,529	18,700	7,739	1,566	7	1,244
DEPARTMENT OF THE NAVY	2,75[illegible],435	783,534	1,876,690	-	2,537	69,441	55,843	3,345	-	6,045
DEPARTMENT OF THE AIR FORCE	2,691,127	716,359	1,823,722	-	4,034	26,056	4,575	115,944	-	437
DEFENSE AGENCIES	145,903	61,539	73,047	-	2,324	1,790	4,358	2,845	-	-
DIRECTOR OF TEST & EVALUATION, DEF	23,865	18,733	3,176	-	-	-	-	1,956	-	-
DEPT OF HEALTH, ED. & WELFARE, TOTAL	448,987	36,988	53,968	-	193,945	257	108,286	1,355	44,884	7,304
HEALTH RESOURCES ADMINISTRATION	26,623	3,753	1,633	-	11,289	-	8,254	-	683	1,011
HEALTH SERVICES ADMINISTRATION	6,694	1,065	1,135	-	3,083	-	1,411	-	-	-
NATIONAL INSTITUTE OF EDUCATION	65,800	9,800	2,611	-	14,263	-	32,508	-	6,481	137
NATIONAL INSTITUTES OF HEALTH	239,517	16,607	45,052	-	103,519	-	58,032	1,227	7,324	6,156
OFFICE OF EDUCATION	40,593	481	952	-	7,261	257	3,970	128	27,977	-
OFFICE OF HUMAN DEVELOPMENT	57,263	3,115	2,512	-	48,641	-	1,158	-	1,837	-
OFFICE OF ASS'T SECTY FOR EDUCATION	12,097	600	731	-	7,889	-	2,953	-	582	-
DEPT OF HOUSING & URBAN DEVELOPMENT	28,533	9,017	10,060	498	810	-	3,648	-	4,500	-
DEPARTMENT OF THE INTERIOR, TOTAL	63,278	29,524	29,001	-	2,824	213	-	239	166	1,311
BONNEVILLE POWER ADMINISTRATION	5,542	2,095	2,350	-	42	-	-	9	-	1,046
BUREAU OF LAND MANAGEMENT	191	191	-	-	-	-	-	-	-	-
BUREAU OF MINES	48,717	22,361	22,975	-	2,600	213	-	230	100	238
BUREAU OF RECLAMATION	456	384	17	-	55	-	-	-	-	-
OFFICE OF THE SECRETARY	423	85	118	-	127	-	-	-	66	27
OFFICE OF WATER RES AND TECHNOLOGY	4,044	503	3,541	-	-	-	-	-	-	-
US FISH AND WILDLIFE SERVICE	4,077	4,077	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	25,435	4,015	1,362	-	971	-	15,196	1,254	2,637	-
BUREAU OF PRISONS	635	470	73	-	[illegible]	-	50	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	590	106	284	-	-	-	-	200	-	-
FEDERAL BUREAU OF INVESTIGATION	1,197	200	997	-	-	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	101	21	61	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	23,003	3,237	-	-	929	-	15,146	1,054	2,637	-
DEPARTMENT OF LABOR, TOTAL	10,098	2,096	1,667	-	1,988	329	3,266	-	812	-
BUREAU OF LABOR STATISTICS	1,097	1,097	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	8,347	979	973	-	1,988	329	3,266	-	812	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	654	20	634	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	5,432	1,456	1,202	-	776	-	931	-	-	1,067
DEPARTMENTAL FUNDS	494	50	444	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,938	1,406	758	-	776	-	931	-	-	1,067
DEPT OF TRANSPORTATION, TOTAL	257,719	42,268	135,344	-	22,883	2,529	2,290	10,265	41,109	1,031
FEDERAL AVIATION ADMINISTRATION	91,455	19,970	57,698	-	2,877	1,640	-	9,270	-	-
FEDERAL HIGHWAY ADMINISTRATION	41,315	392	7,980	-	9,820	-	-	-	23,125	-
FEDERAL RAILROAD ADMINISTRATION	29,716	7,715	18,242	-	705	-	450	995	800	805
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	21,570	912	8,308	-	1,270	-	946	-	10,534	-
OFFICE OF THE SECRETARY	16,510	4,251	5,570	-	5,474	629	360	-	-	226
UNITED STATES COAST GUARD	11,594	2,050	8,472	-	533	260	279	-	-	-
URBAN MASS TRANSPORTATION ADMIN	44,763	6,980	28,674	-	2,204	-	295	-	6,650	-

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TABLE C-67. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	1,265	1,218	47	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,265	1,218	47	-	-	-	-	-	-	-
OTHER AGENCIES										
CIVIL SERVICE COMMISSION	2,661	1,286	-	-	-	-	-	-	1,575	-
COMMUNITY SERVICES ADMINISTRATION	47,716	1,000	-	-	-	-	46,716	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	2,952	2,185	-	-	-	-	767	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	1,478,821	41,331	441,754	387,109	19,737	332,576	37,598	15,339	3,261	116
ENVIRONMENTAL PROTECTION AGENCY	115,946	77,162	23,345	-	2,100	-	6,311	802	5,813	413
FEDERAL ENERGY ADMINISTRATION	1,063	189	831	-	26	17	-	-	-	-
GENERAL SERVICES ADMINISTRATION	922	85	837	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	2,187	2,120	67	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,277,113	573,275	1,607,577	3	17,329	82,179	15,083	484	22	1,201
NATIONAL SCIENCE FOUNDATION	45,006	1,025	2,289	-	15,093	-	6,599	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	1,665	1,380	261	-	-	-	-	2	-	-
TENNESSEE VALLEY AUTHORITY	1,860	1,860	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	201	201	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	7,667	5,771	321	-	1,112	-	438	-	-	25

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-68. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	14,056,389	3,332,874	8,506,012	680,282	309,136	588,006	308,528	107,039	142,051	22,459
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	20,893	19,996	-1	-	479	-	-	-	-	418
AGRICULTURAL RESEARCH SERVICE	15,268	14,404	-1	-	486	-	-	-	-	418
FOREST SERVICE	5,283	5,283	-1	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	322	309	-1	-	13	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	79,511	35,463	21,007	-	8,717	-	6,697	-	7,627	-
BUREAU OF THE CENSUS	411	411	-1	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	13,000	240	445	-	1,655	-	5,300	-	5,360	-
MARITIME ADMINISTRATION	16,062	400	15,572	-	90	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	11,022	10,808	165	-	-	-	49	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	5,110	3,785	-1	-	1,325	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	31,417	18,593	4,753	-	5,047	-	157	-	2,267	-
OFFICE OF MINORITY BUSINESS ENTERP	1,521	258	72	-	-	-	1,191	-	-	-
OFFICE OF TELECOMMUNICATIONS	760	760	-1	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	208	208	-1	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	8,054,612	2,257,360	5,460,608	219	11,852	120,173	70,414	126,013	8	7,965
DEPARTMENT OF THE ARMY	1,728,255	586,629	1,104,797	219	2,764	22,411	6,561	2,438	8	2,428
DEPARTMENT OF THE NAVY	3,070,777	819,918	2,119,352	-	2,113	69,046	51,390	3,903	-	5,055
DEPARTMENT OF THE AIR FORCE	2,985,050	725,970	2,109,562	-	2,739	26,492	5,070	114,735	-	482
DEFENSE AGENCIES	242,630	100,421	125,542	-	4,236	2,224	7,393	2,814	-	-
DIRECTOR OF TEST & EVALUATION, DEF	27,900	24,422	1,355	-	-	-	-	2,123	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	473,990	37,719	58,424	-	200,756	397	104,763	1,931	63,204	7,196
HEALTH RESOURCES ADMINISTRATION	18,155	1,059	3,840	-	7,003	-	5,608	-	238	377
HEALTH SERVICES ADMINISTRATION	7,150	1,150	1,465	-	3,026	-	1,509	-	-	-
NATIONAL INSTITUTE OF EDUCATION	59,583	9,333	3,465	-	15,957	-	23,256	-	7,136	232
NATIONAL INSTITUTES OF HEALTH	243,546	21,884	45,727	-	102,089	-	58,586	1,236	7,937	6,587
OFFICE OF EDUCATION	70,815	218	1,350	-	10,846	397	12,286	195	45,523	-
OFFICE OF HUMAN DEVELOPMENT	62,601	3,275	2,504	-	53,210	-	1,453	-	2,359	-
OFFICE OF ASS'T SECTY FOR EDUCATION	12,100	600	69	-	8,625	-	2,265	-	541	-
DEPT OF HOUSING & URBAN DEVELOPMENT	30,665	6,400	13,150	510	680	-	5,525	-	4,400	-
DEPARTMENT OF THE INTERIOR, TOTAL	78,191	36,051	35,033	-	6,045	300	-	300	-	462
BONNEVILLE POWER ADMINISTRATION	8,116	2,298	5,703	-	115	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	191	191	-1	-	-	-	-	-	-	-
BUREAU OF MINES	55,670	28,570	24,000	-	5,900	300	-	300	-	-
BUREAU OF RECLAMATION	355	325	-1	-	30	-	-	-	-	-
OFFICE OF THE SECRETARY	633	100	71	-	-	-	-	-	-	462
OFFICE OF WATER RES AND TECHNOLOGY	5,665	406	5,259	-	-	-	-	-	-	-
US FISH AND WILDLIFE SERVICE	4,333	4,333	-1	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	30,200	5,630	2,2[illegible]	-	1,859	-	7,166	11,053	2,250	-
BUREAU OF PRISONS	542	640	150	-	47	-	105	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	3,434	954	1,020	-	-	-	1,360	400	-	-
FEDERAL BUREAU OF INVESTIGATION	1,245	221	1,024	-	-	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	501	21	481	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	24,529	3,813	-1	-	1,812	-	6,001	10,653	2,250	-
DEPARTMENT OF LABOR, TOTAL	9,947	1,923	1,283	-	1,994	256	3,656	-	835	-
BUREAU OF LABOR STATISTICS	805	805	-1	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	9,142	1,118	1,283	-	1,994	256	3,656	-	835	-
DEPARTMENT OF STATE, TOTAL	8,812	955	1,114	-	2,133	25	2,987	-	-	1,598
DEPARTMENTAL FUNDS	500	75	400	-	-	25	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	8,312	880	714	-	2,133	-	2,987	-	-	1,598
DEPT OF TRANSPORTATION, TOTAL	317,420	56,043	173,339	-	21,361	2,868	5,527	10,865	47,096	321
FEDERAL AVIATION ADMINISTRATION	87,632	19,465	56,282	-	1,450	1,570	-	9,765	-	-
FEDERAL HIGHWAY ADMINISTRATION	45,220	420	8,745	-	11,184	-	-	-	24,871	-
FEDERAL RAILROAD ADMINISTRATION	57,711	14,350	38,226	-	890	-	840	1,800	1,505	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	35,308	1,600	16,595	-	1,903	-	3,450	-	11,760	-
OFFICE OF THE SECRETARY	28,560	11,521	11,871	-	3,570	1,078	599	-	-	321
UNITED STATES COAST GUARD	13,104	3,195	8,830	-	564	220	295	-	-	-
URBAN MASS TRANSPORTATION ADMIN	49,485	5,492	32,690	-	2,000	-	343	-	8,960	-

CONTINUED ON NEXT PAGE

TABLE C-68. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL	1,389	1,057	332	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,389	1,057	332	-	-	-	-	-	-	-
OTHER AGENCIES										
ACTION	42	2	-1	-	-	-	40	-	-	-
CIVIL SERVICE COMMISSION	3,148	1,348	-1	-	-	-	-	-	1,800	-
COMMUNITY SERVICES ADMINISTRATION	39,000	1,000	-1	-	-	-	38,000	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	3,276	2,617	250	-	-	-	509	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,137,631	93,757	862,376	679,550	17,055	407,185	29,659	15,471	3,846	1,356
ENVIRONMENTAL PROTECTION AGENCY	134,252	70,925	34,600	-	1,000	-	12,600	1,300	10,900	2,927
FEDERAL ENERGY ADMINISTRATION	1,549	728	1,065	-	-	-	-	156	-	-
GENERAL SERVICES ADMINISTRATION	962	205	757	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	2,611	2,611	-1	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,627,384	692,932	1,837,671	-	23,472	56,832	15,813	450	25	216
NATIONAL SCIENCE FOUNDATION	16,787	35	2,278	-	9,629	-	4,845	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	1,257	1,257	-1	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	2,040	2,040	-1	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	245	100	145	-	-	-	-	-	-	-
UNITED STATES INFORMATION AGENCY	61	61	-1	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	9,889	7,714	342	-	1,506	-	327	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-69. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL: ALL AGENCIES	15,636,890	3,383,717	6,846,516	764,462	319,210	1,007,235	477,144	1,203,636	145,317	49,653
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	21,590	20,953	-	-	479	-	-	-	-	558
AGRICULTURAL RESEARCH SERVICE	15,990	14,966	-	-	466	-	-	-	-	558
FOREST SERVICE	5,674	5,674	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	326	313	-	-	13	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	69,588	33,507	19,455	-	8,095	230	3,817	40	4,870	-
BUREAU OF THE CENSUS	470	470	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	5,750	105	195	-	550	-	2,350	-	2,550	-
MARITIME ADMINISTRATION	14,732	400	14,332	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	10,326	10,114	165	-	-	-	49	-	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	4,508	3,908	-	-	1,000	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	31,197	17,170	4,763	-	6,549	230	155	40	2,320	-
OFFICE OF MINORITY BUSINESS ENTERP	1,528	265	-	-	-	-	1,263	-	-	-
OFFICE OF TELECOMMUNICATIONS	863	863	-	-	-	-	-	-	-	-
PATENT & TRADEMARK OFFICE	214	214	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,213,524	2,311,925	6,528,141	-	20,252	132,775	73,447	143,147	10	4,224
DEPARTMENT OF THE ARMY	2,034,100	650,297	1,241,657	-	8,756	44,038	5,463	3,719	10	160
DEPARTMENT OF THE NAVY	3,614,323	807,984	2,665,816	-	3,196	76,334	55,131	2,287	-	3,555
DEPARTMENT OF THE AIR FORCE	3,271,713	720,402	2,380,876	-	3,505	30,230	5,051	131,140	-	509
DEFENSE AGENCIES	263,685	107,325	138,016	-	4,795	2,153	7,802	3,798	-	-
DIRECTOR OF TEST & EVALUATION, DEF	29,500	25,917	1,780	-	-	-	-	2,203	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	474,893	87,446	56,169	-	190,456	-	101,696	1,630	76,679	10,621
HEALTH RESOURCES ADMINISTRATION	23,056	1,259	3,123	-	6,692	-	5,655	-	252	3,075
HEALTH SERVICES ADMINISTRATION	2,603	1,163	1,295	-	100	-	105	-	-	-
NATIONAL INSTITUTE OF EDUCATION	67,658	8,796	3,721	-	19,955	-	25,848	-	9,134	200
NATIONAL INSTITUTES OF HEALTH	234,033	22,145	43,940	-	96,988	-	55,680	1,188	7,146	7,346
OFFICE OF EDUCATION	83,160	190	1,808	-	11,590	-	11,524	442	57,606	-
OFFICE OF HUMAN DEVELOPMENT	52,223	3,293	2,209	-	46,502	-	1,219	-	2,000	-
OFFICE OF ASS'T SECTY FOR EDUCATION	12,100	600	69	-	8,625	-	2,265	-	541	-
DEPT OF HOUSING & URBAN DEVELOPMENT	36,540	5,240	17,300	-	800	-	5,500	-	7,700	-
DEPARTMENT OF THE INTERIOR, TOTAL	72,685	33,816	32,382	-	5,680	300	-	300	-	207
BONNEVILLE POWER ADMINISTRATION	3,504	1,589	2,190	-	125	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	201	201	-	-	-	-	-	-	-	-
BUREAU OF MINES	57,602	26,937	24,000	-	5,525	300	-	300	-	-
BUREAU OF RECLAMATION	383	353	-	-	30	-	-	-	-	-
OFFICE OF THE SECRETARY	415	89	119	-	-	-	-	-	-	207
OFFICE OF WATER RES AND TECHNOLOGY	6,473	400	6,073	-	-	-	-	-	-	-
US FISH AND WILDLIFE SERVICE	4,428	4,428	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	18,741	3,639	3,091	-	1,575	-	3,542	4,544	2,350	-
BUREAU OF PRISONS	1,743	756	200	-	528	-	157	-	100	-
DRUG ENFORCEMENT ADMINISTRATION	2,772	771	1,501	-	-	-	500	-	-	-
FEDERAL BUREAU OF INVESTIGATION	1,400	200	1,200	-	-	-	-	-	-	-
IMMIGRATION & NATURALIZATION SERVICE	200	10	190	-	-	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	12,626	1,900	-	-	1,047	-	2,885	4,544	2,250	-
DEPARTMENT OF LABOR, TOTAL	11,231	2,212	1,800	-	2,600	150	3,569	-	900	-
BUREAU OF LABOR STATISTICS	955	955	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	10,276	1,257	1,800	-	2,600	150	3,569	-	900	-
DEPARTMENT OF STATE, TOTAL	9,313	1,056	1,215	-	3,238	25	1,586	-	-	2,193
DEPARTMENTAL FUNDS	500	50	425	-	-	25	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	8,813	1,006	790	-	3,238	-	1,586	-	-	2,193
DEPT OF TRANSPORTATION, TOTAL	295,445	53,523	102,431	-	19,644	1,203	4,393	11,880	42,271	100
FEDERAL AVIATION ADMINISTRATION	94,023	23,316	58,602	-	1,250	-	-	10,855	-	-
FEDERAL HIGHWAY ADMINISTRATION	39,222	400	7,355	-	9,200	-	-	-	22,267	-
FEDERAL RAILROAD ADMINISTRATION	36,258	8,250	44,643	-	1,100	-	480	1,025	860	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	27,808	1,210	12,586	-	1,903	-	4,615	-	9,524	-
OFFICE OF THE SECRETARY	25,710	9,782	10,724	-	3,614	957	533	-	-	-
UNITED STATES COAST GUARD	14,666	3,575	9,938	-	577	246	330	-	-	-
URBAN MASS TRANSPORTATION ADMIN	57,628	6,990	38,603	-	2,000	-	435	-	9,600	-

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TABLE C-69. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL(1)	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF THE TREASURY, TOTAL.....	1,153	1,153	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING.....	1,153	1,153	-	-	-	-	-	-	-	-
OTHER AGENCIES										
CIVIL SERVICE COMMISSION.....	2,400	1,201	-	-	-	-	-	-	1,199	-
COMMUNITY SERVICES ADMINISTRATION.....	39,000	1,000	-	-	-	-	38,000	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION.....	3,700	3,100	-	-	-	-	600	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN.....	2,530,667	103,031	1,094,314	764,459	32,215	477,242	7,519	40,526	4,311	7,050
ENVIRONMENTAL PROTECTION AGENCY.....	106,000	57,900	25,000	-	1,000	-	11,500	1,000	5,000	4,600
FEDERAL ENERGY ADMINISTRATION.....	6,075	772	4,754	-	225	165	-	119	-	-
GENERAL SERVICES ADMINISTRATION.....	2,622	635	1,987	-	-	-	-	-	-	-
LIBRARY OF CONGRESS.....	3,132	2,857	275	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN.....	2,687,66[illegible]	696,559	1,895,638	3	23,472	55,175	16,240	450	27	100
NATIONAL SCIENCE FOUNDATION.....	14,940	331	1,906	-	8,123	-	4,878	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY.....	1,065	1,065	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY.....	2,370	2,370	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY...	620	101	280	-	-	-	330	-	-	-
UNITED STATES INFORMATION AGENCY.....	201	201	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION.....	10,715	8,694	342	-	1,352	-	327	-	-	-

(1) INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-70. FEDERAL FUNDS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977	ACTUAL, 1975	ESTIMATES 1976	ESTIMATES 1977
TOTAL, ALL AGENCIES	820.7	887.8	1,239.3	829.7	898.6	885.1
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	7.8	35.7	3.2	7.9	14.5	8.0
AGRICULTURAL RESEARCH SERVICE	4.5	30.2	3.0	4.0	10.3	7.9
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	*	.1	*
FOREST SERVICE	3.3	5.5	.2	3.9	4.2	.2
DEPARTMENT OF COMMERCE, TOTAL	9.5	7.7	3.6	10.5	7.4	3.5
MARITIME ADMINISTRATION	1.1	1.0	1.9	.8	.8	1.4
NATIONAL BUREAU OF STANDARDS	1.4	1.2	.2	1.8	1.5	.7
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	7.1	5.5	1.5	7.9	5.1	1.4
DEPARTMENT OF DEFENSE, TOTAL	167.1	179.6	359.2	152.9	188.1	181.4
DEPARTMENT OF THE ARMY	23.9	25.8	39.8	30.0	28.9	25.1
DEPARTMENT OF THE NAVY	62.7	63.7	53.2	47.8	68.6	52.4
DEPARTMENT OF THE AIR FORCE	59.6	79.3	251.3	54.5	78.5	94.7
DEFENSE AGENCIES	20.9	10.7	14.9	20.6	12.1	9.2
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	39.1	35.3	42.8	85.9	49.1	38.0
FOOD AND DRUG ADMINISTRATION	.7	4.9	.3	.7	2.1	.2
HEALTH RESOURCES ADMINISTRATION	-	-	-	3.6	*	*
NATIONAL INSTITUTES OF HEALTH	38.4	30.4	42.6	81.6	47.0	37.7
DEPARTMENT OF THE INTERIOR, TOTAL	3.9	1.0	.7	2.4	.7	.5
BONNEVILLE POWER ADMINISTRATION	.1	.1	.1	.1	.1	.1
NATIONAL PARK SERVICE	*	*	*	*	*	*
UNITED STATES FISH AND WILDLIFE SERVICE	3.8	1.0	.7	2.4	.6	.4
DEPARTMENT OF STATE, TOTAL	-	-	-	.3	*	*
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	.3	*	*
DEPARTMENT OF TRANSPORTATION, TOTAL	13.3	20.3	16.4	14.7	15.1	13.6
FEDERAL AVIATION ADMINISTRATION	3.4	5.0	3.0	2.8	4.0	2.4
FEDERAL HIGHWAY ADMINISTRATION	.4	.6	.8	.4	.6	.8
FEDERAL RAILROAD ADMINISTRATION	7.6	12.7	10.2	9.1	8.6	8.0
UNITED STATES COAST GUARD	.6	.7	.7	.6	.6	.7
URBAN MASS TRANSPORTATION ADMINISTRATION	1.8	1.3	1.7	1.8	1.3	1.7
DEPARTMENT OF THE TREASURY, TOTAL	*	*	*	*	*	*
BUREAU OF ENGRAVING AND PRINTING	*	*	*	*	*	*
OTHER AGENCIES						
CONSUMER PRODUCT SAFETY COMMISSION	1.9	.2	.8	1.9	.2	.8
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	392.6	437.6	639.1	411.2	409.0	453.9
ENVIRONMENTAL PROTECTION AGENCY	2.1	6.6	3.8	11.3	4.2	4.7
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	142.7	82.1	124.0	85.3	114.8	125.7
NATIONAL SCIENCE FOUNDATION	23.1	41.4	23.2	29.1	49.4	33.0
NUCLEAR REGULATORY COMMISSION	3.0	4.6	8.0	2.6	8.4	7.0
SMITHSONIAN INSTITUTION	.4	.8	.4	.7	.8	.4
TENNESSEE VALLEY AUTHORITY	12.2	15.4	8.6	10.6	22.5	9.1
VETERANS ADMINISTRATION	2.2	14.5	5.6	2.2	14.5	5.6

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-71. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA-MURAL	EXTRAMURAL							
			DOMESTIC							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	820,730	346,756	62,282	229,658	35,914	131,802	10,501	3,637	175	5
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	7,797	7,797	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	4,479	4,479	-	-	-	-	-	-	-	-
FOREST SERVICE	3,318	3,318	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	9,533	8,292	1,241	-	-	-	-	-	-	-
MARITIME ADMINISTRATION	1,050	-	1,050	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	1,417	1,417	-	-	-	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	7,066	6,875	191	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	167,130	157,160	8,512	-	907	546	-	-	-	5
DEPARTMENT OF THE ARMY	23,949	23,603	346	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	62,678	62,678	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	59,649	59,649	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	20,854	11,230	8,166	-	907	546	-	-	-	5
DEPT OF HEALTH, ED, & WELFARE, TOTAL	39,069	9,069	-	-	22,919	-	7,081	-	-	-
FOOD AND DRUG ADMINISTRATION	713	713	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	38,356	8,356	-	-	22,919	-	7,081	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	3,871	3,676	-	-	20	-	-	-	175	-
BONNEVILLE POWER ADMINISTRATION	54	54	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	27	7	-	-	20	-	-	-	-	-
US FISH AND WILDLIFE SERVICE	3,790	3,615	-	-	-	-	-	-	175	-
DEPT OF TRANSPORTATION, TOTAL	13,255	6,864	6,391	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	3,446	1,991	1,455	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	440	440	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	6,986	2,050	4,936	-	-	-	-	-	-	-
UNITED STATES COAST GUARD	613	613	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	1,770	1,770	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	24	24	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	24	24	-	-	-	-	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION	1,865	1,865	-	-	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	392,564	4,075	45,013	226,753	5,409	104,322	3,415	3,579	-	-
ENVIRONMENTAL PROTECTION AGENCY	2,070	2,070	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	142,655	130,766	-	-	54	11,835	-	-	-	-
NATIONAL SCIENCE FOUNDATION	23,054	495	1,125	-	6,605	5,024	5	-	-	-
NUCLEAR REGULATORY COMMISSION	3,038	-	-	2,905	-	75	-	58	-	-
SMITHSONIAN INSTITUTION	398	398	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	12,186	12,186	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	2,219	2,219	-	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-72. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRAMURAL	EXTRAMURAL DOMESTIC							FOREIGN
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	887,840	387,915	95,292	205,590	31,068	157,950	6,247	3,758	20	-
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	35,063	35,063	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	30,188	30,188	-	-	-	-	-	-	-	-
FOREST SERVICE	5,475	5,475	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	7,651	6,487	1,164	-	-	-	-	-	-	-
MARITIME ADMINISTRATION	1,000	-	1,000	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	1,163	1,163	-	-	-	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,488	5,324	164	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	179,607	171,144	6,887	-	955	545	16	60	-	-
DEPARTMENT OF THE ARMY	25,849	25,499	350	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	63,714	63,714	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	79,339	79,339	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	10,705	2,592	6,537	-	955	545	16	60	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	35,341	15,285	-	-	15,323	-	4,733	-	-	-
FOOD AND DRUG ADMINISTRATION	4,910	4,910	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	30,431	10,375	-	-	15,323	-	4,733	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	1,041	1,021	-	-	-	-	-	-	20	-
BONNEVILLE POWER ADMINISTRATION	64	64	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	20	20	-	-	-	-	-	-	-	-
US FISH AND WILDLIFE SERVICE	957	937	-	-	-	-	-	-	20	-
DEPT OF TRANSPORTATION, TOTAL	20,270	9,583	10,687	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	4,997	3,497	1,500	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	604	604	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	12,687	3,500	9,187	-	-	-	-	-	-	-
UNITED STATES COAST GUARD	652	652	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	1,330	1,330	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	24	24	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	24	24	-	-	-	-	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION	247	247	-	-	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	437,621	14,143	75,274	197,309	12,012	133,771	1,467	3,645	-	-
ENVIRONMENTAL PROTECTION AGENCY	6,759	6,759	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	82,130	78,574	-	-	-	3,556	-	-	-	-
NATIONAL SCIENCE FOUNDATION	41,221	18,320	1,280	-	2,778	18,812	31	-	-	-
NUCLEAR REGULATORY COMMISSION	9,600	-	-	8,481	-	1,066	-	53	-	-
SMITHSONIAN INSTITUTION	755	755	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	15,420	15,420	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	14,490	14,490	-	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-73. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA-MURAL	EXTRAMURAL							
			DOMESTIC							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADM. BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	1,239,328	545,778	144,365	212,494	33,313	292,615	4,934	5,805	20	-
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	3,213	3,213	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	3,000	3,000	-	-	-	-	-	-	-	-
FOREST SERVICE	213	213	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	3,568	1,629	1,939	-	-	-	-	-	-	-
MARITIME ADMINISTRATION	1,900	-	1,900	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	200	200	-	-	-	-	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	1,468	1,429	39	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	359,166	351,764	6,492	-	497	396	17	-	-	-
DEPARTMENT OF THE ARMY	35,845	38,955	850	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	53,183	53,183	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	251,272	251,272	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	14,866	8,354	5,642	-	497	396	17	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	42,831	26,881	-	-	12,186	-	3,764	-	-	-
FOOD AND DRUG ADMINISTRATION	250	250	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	42,581	26,631	-	-	12,186	-	3,764	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	717	697	-	-	-	-	-	-	20	-
BONNEVILLE POWER ADMINISTRATION	60	60	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	2	2	-	-	-	-	-	-	-	-
US FISH AND WILDLIFE SERVICE	655	635	-	-	-	-	-	-	20	-
DEPT OF TRANSPORTATION, TOTAL	16,367	9,167	7,200	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	3,000	3,000	-	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	800	800	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	10,200	3,000	7,200	-	-	-	-	-	-	-
UNITED STATES COAST GUARD	667	667	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	1,700	1,700	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	23	23	-	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	23	23	-	-	-	-	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION	779	779	-	-	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	639,122	11,000	126,538	205,804	17,078	271,812	1,105	5,785	-	-
ENVIRONMENTAL PROTECTION AGENCY	3,786	3,786	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	124,020	121,780	-	-	-	2,240	-	-	-	-
NATIONAL SCIENCE FOUNDATION	23,177	500	2,200	-	3,552	16,877	48	-	-	-
NUCLEAR REGULATORY COMMISSION	8,000	-	-	6,690	-	1,293	-	20	-	-
SMITHSONIAN INSTITUTION	390	390	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	8,585	8,585	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	5,584	5,584	-	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-74. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL FIELDS	1,998,031	2,145,859	2,212,166
LIFE SCIENCES, TOTAL	1,140,370	1,253,054	1,230,462
BIOLOGICAL	528,065	581,642	587,685
CLINICAL MEDICAL	397,345	435,123	419,227
OTHER MEDICAL SCIENCES	175,932	193,074	188,317
LIFE SCIENCES, NEC	39,028	43,215	41,233
PSYCHOLOGY, TOTAL	56,354	60,258	56,744
BIOLOGICAL ASPECTS	27,899	32,042	29,893
SOCIAL ASPECTS	27,201	26,043	24,405
PSYCHOLOGICAL SCIENCES, NEC	1,254	2,173	2,446
PHYSICAL SCIENCES, TOTAL	270,612	286,651	319,305
ASTRONOMY	28,403	28,660	32,852
CHEMISTRY	95,005	103,212	111,797
PHYSICS	141,711	147,852	168,543
PHYSICAL SCIENCES, NEC	5,493	6,933	6,113
ENVIRONMENTAL SCIENCES, TOTAL	147,843	157,140	183,645
ATMOSPHERIC SCIENCES	40,886	44,637	51,640
GEOLOGICAL SCIENCES	39,394	44,403	52,485
OCEANOGRAPHY (EXCLUDING BIOLOGICAL)	60,850	40,176	75,268
ENVIRONMENTAL SCIENCES, NEC	6,713	27,924	4,252
MATHEMATICS	64,634	65,401	75,058
ENGINEERING, TOTAL	188,838	186,131	197,097
AERONAUTICAL	24,702	29,306	30,875
ASTRONAUTICAL	5,851	7,431	10,086
CHEMICAL	15,860	17,899	19,959
CIVIL	5,407	5,317	6,013
ELECTRICAL	31,126	32,819	35,202
MECHANICAL	12,579	13,608	15,714
METALLURGY & MATERIALS	43,500	38,047	42,472
ENGINEERING, NEC	49,813	41,704	36,776
SOCIAL SCIENCES, TOTAL	93,737	105,564	110,155
ANTHROPOLOGY	6,348	6,230	6,702
ECONOMICS	33,526	36,525	40,282
HISTORY	1,370	1,280	1,201
LINGUISTICS	2,250	2,264	2,388
POLITICAL SCIENCE	2,446	2,442	2,855
SOCIOLOGY	12,810	13,347	13,515
SOCIAL SCIENCES, NEC	34,985	43,476	43,212
OTHER SCIENCES, NEC	35,643	31,654	33,720

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975, 1976, AND 1977.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-75. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	1,998,091	1,140,370	56,354	270,612	147,843	64,634	188,838	93,737	35,643
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	107,669	73,474	-	5,298	1,190	99	4,860	22,748	-
AGRICULTURAL RESEARCH SERVICE	3,977	1,869	-	478	-	71	1,524	99	-
COOPERATIVE STATE RESEARCH SERVICE	97,587	67,05[illegible]	-	4,820	612	-	3,320	21,785	-
ECONOMIC RESEARCH SERVICE	376	-	-	-	-	-	-	376	-
FARMER COOPERATIVE SERVICE	111	-	-	-	-	-	-	111	-
FOREST SERVICE	5,551	4,555	-	-	578	28	16	377	-
STATISTICAL REPORTING SERVICE	67	-	-	-	-	67	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	190,159	18,754	10,131	26,278	32,660	23,834	76,452	1,040	1,210
DEPARTMENT OF THE ARMY	30,216	10,454	442	4,414	1,853	3,719	8,593	256	483
DEPARTMENT OF THE NAVY	55,422	4,978	2,394	11,361	24,460	5,524	6,705	-	-
DEPARTMENT OF THE AIR FORCE	73,270	3,203	3,048	6,933	4,484	3,593	52,009	-	-
DEFENSE AGENCIES	31,059	-	4,174	3,570	1,863	10,998	8,945	782	727
DEPARTMENTWIDE FUNDS	192	119	73	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	1,077,590	925,026	36,714	30,397	-	11,944	11,595	38,993	22,921
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	76,896	33,160	26,204	621	-	1,139	-	13,268	2,504
CENTER FOR DISEASE CONTROL	4,622	4,622	-	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	8,377	8,377	-	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	8,522	1,779	-	-	-	-	-	4,612	3,131
HEALTH SERVICES ADMINISTRATION	4,064	4,064	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	737	-	-	-	-	-	-	737	-
NATIONAL INSTITUTES OF HEALTH	959,384	872,058	9,814	29,776	-	10,805	11,595	8,250	17,286
OFFICE OF EDUCATION	3,386	-	-	-	-	-	-	3,386	-
OFFICE OF HUMAN DEVELOPMENT	3,884	988	696	-	-	-	-	2,202	-
OFFICE OF THE SECRETARY	3,073	-	-	-	-	-	-	3,073	-
SOCIAL AND REHABILITATION SERVICE	1,727	-	-	-	-	-	-	1,727	-
SOCIAL SECURITY ADMINISTRATION	2,738	-	-	-	-	-	-	2,738	-
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	112,22[illegible]	33,301	-	58,574	4,228	1,555	13,863	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	90,717	6,515	1,019	38,611	24,278	1,660	16,086	366	2,182
NATIONAL SCIENCE FOUNDATION	419,775	82,730	8,490	111,454	85,487	25,542	66,182	30,590	9,330

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-76. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIOLOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHOLOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	56,354	27,899	27,201	1,254	270,612	28,403	95,005	141,711	5,493
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	5,298	-	5,128	170	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	478	-	308	170	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	4,820	-	4,820	-	-
DEPARTMENT OF DEFENSE, TOTAL	10,131	1,317	8,334	480	26,278	242	5,957	18,666	1,413
DEPARTMENT OF THE ARMY	442	-	442	-	4,414	-	1,910	2,242	262
DEPARTMENT OF THE NAVY	2,394	152	2,242	-	11,361	-	1,424	9,937	-
DEPARTMENT OF THE AIR FORCE	3,048	-	3,048	-	6,933	242	2,623	4,068	-
DEFENSE AGENCIES	4,174	1,165	2,529	480	3,570	-	-	2,419	1,151
DEPARTMENTWIDE FUNDS	73	-	73	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	36,714	20,362	16,352	-	30,397	-	29,696	701	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	26,204	13,827	12,377	-	621	-	621	-	-
NATIONAL INSTITUTES OF HEALTH	9,814	6,535	3,279	-	29,776	-	29,075	701	-
OFFICE OF HUMAN DEVELOPMENT	696	-	696	-	-	-	-	-	-
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	58,574	-	8,567	49,372	635
NATIONAL AERONAUTICS & SPACE ADMIN	1,019	59	186	774	38,611	19,592	3,792	11,782	3,445
NATIONAL SCIENCE FOUNDATION	8,490	6,161	2,329	-	111,454	8,569	41,865	61,020	-

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-77. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,140,370	528,065	397,345	175,952	39,028	147,843	42,886	39,394	60,850	6,713
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	73,474	69,040	4,434	-	-	1,190	1,087	103	-	-
AGRICULTURAL RESEARCH SERVICE	1,869	1,869	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	67,050	62,616	4,434	-	-	612	612	-	-	-
FOREST SERVICE	4,555	4,555	-	-	-	578	475	103	-	-
DEPARTMENT OF DEFENSE, TOTAL	18,754	4,100	10,155	4,499	-	32,660	5,849	3,444	23,367	-
DEPARTMENT OF THE ARMY	10,494	687	8,471	1,296	-	1,853	576	821	456	-
DEPARTMENT OF THE NAVY	4,978	1,321	1,657	-	-	24,460	623	1,001	22,836	-
DEPARTMENT OF THE AIR FORCE	3,203	-	-	3,203	-	4,484	4,336	148	-	-
DEFENSE AGENCIES	-	-	-	-	-	1,863	314	1,474	75	-
DEPARTMENTWIDE FUNDS	119	92	27	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	925,026	537,180	380,081	170,098	37,467	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	33,160	17,917	5,833	9,232	178	-	-	-	-	-
CENTER FOR DISEASE CONTROL	4,622	-	-	4,622	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	8,377	6,711	-	1,666	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	1,779	-	1,779	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	4,064	-	4,064	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	872,058	512,752	367,435	154,578	37,289	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	966	-	966	-	-	-	-	-	-	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	33,901	32,376	1,525	-	-	4,228	1,173	548	2,507	-
NATIONAL AERONAUTICS & SPACE ADMIN	6,515	2,469	1,150	1,335	1,561	24,278	10,949	6,280	348	6,701
NATIONAL SCIENCE FOUNDATION	82,700	82,700	-	-	-	85,487	21,828	29,019	34,628	12

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

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TABLE C-78. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	ENGINEERING							
		AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	188,838	24,702	5,851	15,860	5,407	31,126	12,579	43,500	49,813
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	4,860	-	-	-	40	148	-	-	4,672
AGRICULTURAL RESEARCH SERVICE	1,524	-	-	-	40	132	-	-	1,352
COOPERATIVE STATE RESEARCH SERVICE	3,320	-	-	-	-	-	-	-	3,320
FOREST SERVICE	16	-	-	-	-	16	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	76,252	16,832	5,258	3,159	1,140	18,277	4,604	19,575	7,407
DEPARTMENT OF THE ARMY	8,593	784	-	215	528	3,895	991	1,946	234
DEPARTMENT OF THE NAVY	6,705	815	-	2,223	-	315	1,881	1,471	-
DEPARTMENT OF THE AIR FORCE	52,009	15,233	5,258	721	597	11,494	1,657	11,133	5,916
DEFENSE AGENCIES	8,945	-	-	-	15	2,573	75	5,025	1,257
DEPT OF HEALTH, ED, & WELFARE, TOTAL	11,595	-	-	-	-	-	-	-	11,595
NATIONAL INSTITUTES OF HEALTH	11,595	-	-	-	-	-	-	-	11,595
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	13,803	-	-	1,889	-	184	300	6,781	4,709
NATIONAL AERONAUTICS & SPACE ADMIN	16,086	7,848	593	367	222	1,682	806	2,448	2,120
NATIONAL SCIENCE FOUNDATION	66,182	22	-	10,445	4,005	10,835	6,869	14,696	19,310

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

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TABLE C-79. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	SOCIAL SCIENCES						
		ANTHRO-POLOGY	ECONOMICS	HISTORY	LIN-GUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	93,737	6,348	33,528	1,370	2,250	2,448	12,810	34,985
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	22,748	-	21,454	6	-	-	1,264	24
AGRICULTURAL RESEARCH SERVICE	99	-	83	-	-	-	-	16
COOPERATIVE STATE RESEARCH SERVICE	21,785	-	20,831	-	-	-	1,154	-
ECONOMIC RESEARCH SERVICE	376	-	354	6	-	-	8	8
FARMER COOPERATIVE SERVICE	111	-	111	-	-	-	-	-
FOREST SERVICE	377	-	275	-	-	-	102	-
DEPARTMENT OF DEFENSE, TOTAL	1,040	-	312	-	-	144	74	510
DEPARTMENT OF THE ARMY	258	-	239	-	-	-	19	-
DEFENSE AGENCIES	782	-	73	-	-	144	55	510
DEPT OF HEALTH, ED, & WELFARE, TOTAL	38,993	2,934	4,474	427	852	628	8,885	20,793
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	13,268	1,877	84	427	852	86	4,260	5,682
HEALTH RESOURCES ADMINISTRATION	3,612	-	2,239	-	-	542	831	-
NATIONAL INSTITUTE OF EDUCATION	737	-	-	-	-	-	-	737
NATIONAL INSTITUTES OF HEALTH	8,250	-	-	-	-	-	-	8,250
OFFICE OF EDUCATION	3,386	-	-	-	-	-	-	3,386
OFFICE OF HUMAN DEVELOPMENT	2,202	1,057	-	-	-	-	1,145	-
OFFICE OF THE SECRETARY	2,078	-	2,151	-	-	-	922	-
SOCIAL AND REHABILITATION SERVICE	1,727	-	-	-	-	-	1,727	-
SOCIAL SECURITY ADMINISTRATION	2,738	-	-	-	-	-	-	2,738
OTHER AGENCIES								
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	306	-	3	72	-	235	-	56
NATIONAL SCIENCE FOUNDATION	30,590	2,414	7,283	865	1,398	1,441	2,587	13,602

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-80. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL FIELDS	1,051,703	1,125,577	1,212,478
LIFE SCIENCES, TOTAL	455,212	510,744	527,498
BIOLOGICAL	354,891	398,996	416,829
CLINICAL MEDICAL	9,240	9,799	9,880
OTHER MEDICAL SCIENCES	75,765	84,522	83,497
LIFE SCIENCES, NEC	15,310	17,427	17,292
PSYCHOLOGY, TOTAL	30,107	35,126	34,570
BIOLOGICAL ASPECTS	17,103	19,602	19,[illegible]
SOCIAL ASPECTS	12,329	14,468	13,919
PSYCHOLOGICAL SCIENCES, NEC	675	1,056	1,155
PHYSICAL SCIENCES, TOTAL	234,762	248,253	276,446
ASTRONOMY	26,711	26,580	30,772
CHEMISTRY	82,696	92,215	101,122
PHYSICS	121,847	125,790	141,795
PHYSICAL SCIENCES, NEC	3,508	3,668	2,757
ENVIRONMENTAL SCIENCES, TOTAL	119,108	125,951	149,776
ATMOSPHERIC SCIENCES	28,795	31,430	37,270
GEOLOGICAL SCIENCES	34,619	35,150	47,370
OCEANOGRAPHY (EXCLUDING BIOLOGICAL)	52,509	35,817	64,276
ENVIRONMENTAL SCIENCES, NEC	3,185	19,554	856
MATHEMATICS	42,067	45,197	50,933
ENGINEERING, TOTAL	102,761	105,903	114,068
AERONAUTICAL	9,448	8,861	7,781
ASTRONAUTICAL	1,957	1,714	1,228
CHEMICAL	10,833	10,632	12,579
CIVIL	3,665	3,611	4,326
ELECTRICAL	17,803	24,348	26,054
MECHANICAL	9,287	10,024	11,906
METALLURGY & MATERIALS	32,641	32,501	35,863
ENGINEERING, NEC	17,067	14,272	14,329
SOCIAL SCIENCES, TOTAL	40,214	46,096	56,227
ANTHROPOLOGY	3,781	4,073	4,314
ECONOMICS	15,669	17,349	19,998
HISTORY	937	889	870
LINGUISTICS	1,526	1,533	1,742
POLITICAL SCIENCE	1,522	1,437	1,777
SOCIOLOGY	4,870	5,653	5,984
SOCIAL SCIENCES, NEC	12,107	15,162	10,742
OTHER SCIENCES, NEC	7,474	6,249	7,858

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 97 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975, 1976, AND 1977.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-81. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	1,331,703	455,212	30,107	234,762	119,108	42,067	102,761	40,214	7,472
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	43,290	30,280	-	2,010	771	21	1,530	8,372	-
AGRICULTURAL RESEARCH SERVICE	1,482	696	-	176	-	31	568	371	-
COOPERATIVE STATE RESEARCH SERVICE	37,084	29,478	-	1,832	233	-	1,262	8,279	-
ECONOMIC RESEARCH SERVICE	561	-	-	-	-	-	-	561	-
FOREST SERVICE	4,650	4,112	-	-	538	-	-	-	-
STATISTICAL REPORTING SERVICE	181	-	-	-	-	181	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	55,340	9,807	4,392	10,867	21,702	12,845	27,580	257	90
DEPARTMENT OF THE ARMY	15,508	3,736	249	3,629	1,121	1,417	5,399	17	-
DEPARTMENT OF THE NAVY	43,795	4,847	1,906	6,862	19,767	3,805	4,608	-	-
DEPARTMENT OF THE AIR FORCE	22,966	1,224	482	5,786	414	3,217	11,399	-	-
DEFENSE AGENCIES	13,059	-	1,755	390	-	4,406	6,174	240	90
DEPT OF HEALTH, ED, & WELFARE, TOTAL	392,293	332,102	17,037	26,157	-	2,283	3,771	8,464	2,479
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	32,586	15,128	10,062	323	-	399	-	5,705	969
NATIONAL INSTITUTE OF EDUCATION	245	-	-	-	-	-	-	245	-
NATIONAL INSTITUTES OF HEALTH	357,318	316,974	6,975	25,834	-	1,884	3,771	370	1,510
OFFICE OF THE SECRETARY	2,144	-	-	-	-	-	-	2,144	-
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	57,511	-	-	48,627	548	1,555	6,781	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	64,948	3,745	782	33,245	10,465	503	8,437	65	1,306
NATIONAL SCIENCE FOUNDATION	378,721	79,272	7,896	106,056	79,622	24,860	54,362	23,056	3,597

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 97 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

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TABLE C-82. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	30,107	17,103	12,329	675	234,762	26,711	82,646	121,847	3,558
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	2,010	-	1,947	63	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	178	-	115	63	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	1,832	-	1,832	-	-
DEPARTMENT OF DEFENSE, TOTAL	4,392	1,184	3,131	77	10,867	242	9,125	12,922	378
DEPARTMENT OF THE ARMY	249	-	249	-	3,629	-	1,510	2,119	-
DEPARTMENT OF THE NAVY	1,906	152	1,754	-	6,862	-	1,424	7,438	-
DEPARTMENT OF THE AIR FORCE	482	-	482	-	5,786	242	2,191	3,353	-
DEFENSE AGENCIES	1,755	1,032	646	77	390	-	-	12	378
DEPT OF HEALTH, ED, & WELFARE, TOTAL	17,037	10,140	6,897	-	26,157	-	26,143	14	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	10,062	5,337	4,725	-	323	-	323	-	-
NATIONAL INSTITUTES OF HEALTH	6,975	4,803	2,172	-	25,834	-	25,820	14	-
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	48,627	-	7,610	40,382	635
NATIONAL AERONAUTICS & SPACE ADMIN	782	49	135	598	33,245	17,900	3,050	9,744	2,545
NATIONAL SCIENCE FOUNDATION	7,896	5,730	2,166	-	106,056	8,569	38,765	58,722	-

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 97 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-83. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	455,212	354,891	9,248	75,765	15,310	119,108	28,795	34,619	52,509	3,185
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	30,240	28,601	1,685	-	-	771	708	63	-	
AGRICULTURAL RESEARCH SERVICE	696	696	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	25,478	23,793	1,685	-	-	233	233	-	-	-
FOREST SERVICE	4,112	4,112	-	-	-	538	475	63	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,807	3,814	4,769	1,224	-	21,702	1,865	1,694	18,143	-
DEPARTMENT OF THE ARMY	3,726	576	3,150	-	-	1,121	576	545	-	-
DEPARTMENT OF THE NAVY	4,847	3,238	1,609	-	-	19,767	623	1,001	18,143	-
DEPARTMENT OF THE AIR FORCE	1,224	-	-	1,224	-	814	666	148	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	332,102	241,235	2,391	73,498	14,978	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	15,128	7,418	2,391	5,257	62	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	316,974	233,817	-	68,241	14,916	-	-	-	-	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	548	-	548	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	3,745	1,909	401	1,103	332	16,465	8,133	5,029	130	3,173
NATIONAL SCIENCE FOUNDATION	79,212	79,272	-	-	-	79,622	18,089	27,285	34,236	12

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 97 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-84. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	102,761	9,448	1,557	10,833	3,665	17,863	9,287	32,641	17,067
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	1,830	-	-	-	15	49	-	-	1,766
AGRICULTURAL RESEARCH SERVICE	568	-	-	-	15	49	-	-	504
COOPERATIVE STATE RESEARCH SERVICE	1,262	-	-	-	-	-	-	-	1,262
DEPARTMENT OF DEFENSE, TOTAL	27,580	4,650	1,780	730	-	6,881	2,982	10,957	-
DEPARTMENT OF THE ARMY	5,399	922	-	141	-	4,572	701	1,403	-
DEPARTMENT OF THE NAVY	4,608	756	-	589	-	-	1,881	1,382	-
DEPARTMENT OF THE AIR FORCE	11,399	3,372	1,780	-	-	2,750	-	3,497	-
DEFENSE AGENCIES	4,174	-	-	-	-	1,559	-	4,615	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	3,771	-	-	-	-	-	-	-	3,771
NATIONAL INSTITUTES OF HEALTH	3,771	-	-	-	-	-	-	-	3,771
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	6,781	-	-	-	-	-	-	69 781	-
NATIONAL AERONAUTICS & SPACE ADMIN	8,457	4,776	177	70	57	510	448	1,403	1,136
NATIONAL SCIENCE FOUNDATION	54,362	22	-	10,033	3,593	10,423	6,057	13,440	10,394

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 97 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-85. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	SOCIAL SCIENCES						
		ANTHROPOLOGY	ECONOMICS	HISTORY	LINGUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	40,214	2,781	15,069	937	1,528	1,322	4,870	12,107
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	8,374	-	7,927	-	-	-	445	2
AGRICULTURAL RESEARCH SERVICE	37	-	37	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	8,279	-	7,840	-	-	-	439	-
ECONOMIC RESEARCH SERVICE	58	-	50	-	-	-	4	2
DEPARTMENT OF DEFENSE, TOTAL	257	-	-	-	-	-	17	240
DEPARTMENT OF THE ARMY	17	-	-	-	-	-	17	-
DEFENSE AGENCIES	240	-	-	-	-	-	-	240
DEPT OF HEALTH, ED, & WELFARE, TOTAL	8,464	693	1,930	150	298	30	2,133	3,630
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	5,705	693	29	150	298	30	1,490	3,015
NATIONAL INSTITUTE OF EDUCATION	245	-	-	-	-	-	-	245
NATIONAL INSTITUTES OF HEALTH	370	-	-	-	-	-	-	370
OFFICE OF THE SECRETARY	2,144	-	1,901	-	-	-	643	-
OTHER AGENCIES								
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	65	-	3	25	-	24	-	13
NATIONAL SCIENCE FOUNDATION	23,036	3,088	6,209	782	1,230	1,268	2,277	8,222

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 97 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-66. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL FIELDS	900,328	1,022,234	999,708
LIFE SCIENCES, TOTAL	685,158	742,310	708,964
BIOLOGICAL	173,174	182,640	170,856
CLINICAL MEDICAL	388,099	465,324	409,367
OTHER MEDICAL SCIENCES	100,167	108,592	104,820
LIFE SCIENCES, NEC	23,718	25,788	23,941
PSYCHOLOGY, TOTAL	20,247	45,132	22,174
BIOLOGICAL ASPECTS	10,796	12,943	10,397
SOCIAL ASPECTS	8,872	11,573	10,486
PSYCHOLOGICAL SCIENCES, NEC	579	1,117	1,291
PHYSICAL SCIENCES, TOTAL	35,850	38,409	42,859
ASTRONOMY	1,692	2,080	2,080
CHEMISTRY	12,359	10,997	10,675
PHYSICS	19,899	22,062	26,748
PHYSICAL SCIENCES, NEC	1,900	3,265	3,356
ENVIRONMENTAL SCIENCES, TOTAL	28,735	31,189	33,867
ATMOSPHERIC SCIENCES	12,091	13,207	14,370
GEOLOGICAL SCIENCES	4,775	5,253	5,109
OCEANOGRAPHY (EXCLUDING BIOLOGICAL)	8,341	4,359	10,992
ENVIRONMENTAL SCIENCES, NEC	3,528	8,370	3,396
MATHEMATICS	22,567	20,204	24,163
ENGINEERING, TOTAL	86,077	80,108	83,029
AERONAUTICAL	15,254	20,492	23,094
ASTRONAUTICAL	3,894	5,717	8,858
CHEMICAL	5,027	7,267	7,380
CIVIL	1,742	1,706	1,685
ELECTRICAL	13,263	8,471	9,148
MECHANICAL	3,292	3,584	3,808
METALLURGY & MATERIALS	10,859	5,546	6,609
ENGINEERING, NEC	32,746	27,432	22,447
SOCIAL SCIENCES, TOTAL	53,523	54,468	58,828
ANTHROPOLOGY	2,267	2,157	2,388
ECONOMICS	17,857	19,176	20,284
HISTORY	433	391	351
LINGUISTICS	722	731	646
POLITICAL SCIENCE	1,146	1,600	1,078
SOCIOLOGY	7,940	7,694	7,634
SOCIAL SCIENCES, NEC	22,878	28,314	26,467
OTHER SCIENCES, NEC	28,171	25,409	25,862

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 93 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975, 1976, AND 1977.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-87. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	966,328	685,158	26,247	35,850	28,739	22,967	86,077	53,523	28,171
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	84,379	43,188	-	3,263	415	78	3,030	14,376	-
AGRICULTURAL RESEARCH SERVICE	2,495	1,173	-	208	-	4	956	621	-
COOPERATIVE STATE RESEARCH SERVICE	60,503	41,572	-	2,988	379	-	2,058	13,506	-
ECONOMIC RESEARCH SERVICE	320	-	-	-	-	-	-	320	-
FARMER COOPERATIVE SERVICE	111	-	-	-	-	-	-	111	-
FOREST SERVICE	981	443	-	-	40	25	16	377	-
STATISTICAL REPORTING SERVICE	49	-	-	-	-	49	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	54,819	8,947	5,739	7,011	10,958	10,989	48,672	783	1,120
DEPARTMENT OF THE ARMY	14,648	6,718	193	765	732	2,302	3,194	241	483
DEPARTMENT OF THE NAVY	11,627	131	488	2,499	4,093	1,719	2,097	-	-
DEPARTMENT OF THE AIR FORCE	50,348	1,979	2,566	1,147	3,670	376	40,610	-	-
DEFENSE AGENCIES	18,004	-	2,419	3,180	1,863	6,592	2,771	542	637
DEPARTMENTWIDE FUNDS	192	119	73	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	685,297	594,924	14,077	4,240	-	9,661	7,824	30,529	20,442
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	44,310	18,032	16,142	298	-	740	-	7,563	1,535
CENTER FOR DISEASE CONTROL	4,642	4,642	-	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	8,377	8,377	-	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	8,522	1,779	-	-	-	-	-	3,612	3,131
HEALTH SERVICES ADMINISTRATION	4,064	4,064	-	-	-	-	-	-	-
NATIONAL INSTITUTE OF EDUCATION	492	-	-	-	-	-	-	492	-
NATIONAL INSTITUTES OF HEALTH	602,280	555,084	2,839	3,942	-	8,921	7,824	7,880	15,776
OFFICE OF EDUCATION	3,386	-	-	-	-	-	-	3,386	-
OFFICE OF HUMAN DEVELOPMENT	3,864	966	696	-	-	-	-	2,202	-
OFFICE OF THE SECRETARY	929	-	-	-	-	-	-	929	-
SOCIAL AND REHABILITATION SERVICE	1,727	-	-	-	-	-	-	1,727	-
SOCIAL SECURITY ADMINISTRATION	2,738	-	-	-	-	-	-	2,738	-
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	54,613	33,901	-	9,947	3,685	-	7,082	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	26,169	2,770	637	5,366	7,813	1,157	7,649	301	876
NATIONAL SCIENCE FOUNDATION	41,054	3,468	994	5,398	5,865	682	11,820	7,534	5,733

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 93 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-88. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND PHYSICAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				PHYSICAL SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC
TOTAL, ALL AGENCIES	26,247	10,796	14,872	579	35,850	1,692	12,359	19,864	1,935
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	3,288	-	3,181	107	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	300	-	193	107	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	2,988	-	2,988	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,739	133	5,603	403	7,611	-	832	5,744	1,035
DEPARTMENT OF THE ARMY	193	-	193	-	785	-	400	123	262
DEPARTMENT OF THE NAVY	488	-	488	-	2,499	-	-	2,499	-
DEPARTMENT OF THE AIR FORCE	2,566	-	2,566	-	1,147	-	432	715	-
DEFENSE AGENCIES	2,419	133	1,883	403	3,180	-	-	2,407	773
DEPARTMENTWIDE FUNDS	73	-	73	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	15,677	10,222	5,455	-	4,240	-	3,553	687	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	14,142	8,490	5,652	-	298	-	298	-	-
NATIONAL INSTITUTES OF HEALTH	2,865	1,732	1,107	-	3,942	-	3,255	687	-
OFFICE OF HUMAN DEVELOPMENT	696	-	696	-	-	-	-	-	-
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	9,967	-	957	8,990	-
NATIONAL AERONAUTICS & SPACE ADMIN	237	10	91	176	5,366	1,692	736	2,038	900
NATIONAL SCIENCE FOUNDATION	594	431	163	-	5,398	-	3,100	2,298	-

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 93 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-89. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN LIFE AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	LIFE SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	BIO-LOGICAL	CLINICAL MEDICAL	OTHER MEDICAL SCIENCES	LIFE SCIENCES NEC	TOTAL	ATMOS-PHERIC SCIENCES	GEO-LOGICAL SCIENCES	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	695,158	173,174	388,095	100,167	23,718	28,735	12,091	4,775	8,341	3,528
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	43,188	40,439	2,749	-	-	419	379	40	-	-
AGRICULTURAL RESEARCH SERVICE	1,173	1,173	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	41,572	38,823	2,749	-	-	379	379	-	-	-
FOREST SERVICE	443	443	-	-	-	40	-	40	-	-
DEPARTMENT OF DEFENSE, TOTAL	8,967	286	5,386	3,275	-	13,958	5,984	1,750	5,224	-
DEPARTMENT OF THE ARMY	6,718	111	5,311	1,296	-	732	-	276	456	-
DEPARTMENT OF THE NAVY	131	83	48	-	-	4,693	-	-	4,693	-
DEPARTMENT OF THE AIR FORCE	1,579	-	-	1,979	-	3,670	3,670	-	-	-
DEFENSE AGENCIES	-	-	-	-	-	1,863	314	1,474	75	-
DEPARTMENTWIDE FUNDS	119	92	27	-	-	-	-	-	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	592,524	96,145	377,690	96,600	22,089	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	18,632	10,499	3,442	3,975	116	-	-	-	-	-
CENTER FOR DISEASE CONTROL	4,844	-	-	4,844	-	-	-	-	-	-
FOOD AND DRUG ADMINISTRATION	8,277	6,711	-	1,566	-	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	1,779	-	1,779	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION	4,064	-	4,064	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	555,484	78,935	367,439	88,337	22,373	-	-	-	-	-
OFFICE OF HUMAN DEVELOPMENT	966	-	966	-	-	-	-	-	-	-
OTHER AGENCIES										
ENERGY RESEARCH & DEVELOPMENT ADMIN	33,501	32,376	1,525	-	-	3,680	1,173	-	2,507	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,770	500	749	292	1,229	7,813	2,816	1,251	218	3,528
NATIONAL SCIENCE FOUNDATION	3,428	3,428	-	-	-	5,865	3,739	1,734	392	-

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 93 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-90. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-TICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	86,077	15,534	3,894	5,027	1,742	13,263	3,292	10,859	32,746
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	3,030	-	-	-	25	99	-	-	2,906
AGRICULTURAL RESEARCH SERVICE	936	-	-	-	25	83	-	-	848
COOPERATIVE STATE RESEARCH SERVICE	2,058	-	-	-	-	-	-	-	2,056
FOREST SERVICE	16	-	-	-	-	16	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	48,672	12,182	3,478	2,429	1,140	11,356	2,022	8,618	7,407
DEPARTMENT OF THE ARMY	3,194	262	-	74	528	1,323	290	483	234
DEPARTMENT OF THE NAVY	2,097	59	-	1,634	-	315	-	89	-
DEPARTMENT OF THE AIR FORCE	40,610	11,861	3,478	721	597	8,744	1,657	7,636	5,916
DEFENSE AGENCIES	2,771	-	-	-	15	1,014	75	410	1,257
DEPT OF HEALTH, ED, & WELFARE, TOTAL	7,824	-	-	-	-	-	-	-	7,824
NATIONAL INSTITUTES OF HEALTH	7,824	-	-	-	-	-	-	-	7,824
OTHER AGENCIES									
ENERGY RESEARCH & DEVELOPMENT ADMIN	7,082	-	-	1,889	-	184	300	-	4,709
NATIONAL AERONAUTICS & SPACE ADMIN	7,649	3,072	416	497	165	1,172	558	985	984
NATIONAL SCIENCE FOUNDATION	11,820	-	-	412	412	412	412	1,256	8,916

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 93 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-91. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	SOCIAL SCIENCES							
	TOTAL	ANTHRO-POLOGY	ECONOMICS	HISTORY	LIN-GUISTICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	53,523	2,567	17,857	433	722	1,126	7,940	22,878
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	14,276	-	13,547	6	-	-	821	22
AGRICULTURAL RESEARCH SERVICE	62	-	46	-	-	-	-	16
COOPERATIVE STATE RESEARCH SERVICE	13,505	-	12,791	-	-	-	715	-
ECONOMIC RESEARCH SERVICE	320	-	304	6	-	-	4	6
FARMER COOPERATIVE SERVICE	111	-	111	-	-	-	-	-
FOREST SERVICE	377	-	275	-	-	-	102	-
DEPARTMENT OF DEFENSE, TOTAL	783	-	312	-	-	144	57	270
DEPARTMENT OF THE ARMY	241	-	239	-	-	-	2	-
DEFENSE AGENCIES	542	-	73	-	-	144	55	270
DEPT OF HEALTH, ED, & WELFARE, TOTAL	32,529	2,241	2,944	277	554	598	6,752	17,163
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	7,563	1,184	55	277	554	56	2,770	2,667
HEALTH RESOURCES ADMINISTRATION	3,612	-	2,239	-	-	542	831	-
NATIONAL INSTITUTE OF EDUCATION	492	-	-	-	-	-	-	492
NATIONAL INSTITUTES OF HEALTH	7,880	-	-	-	-	-	-	7,880
OFFICE OF EDUCATION	3,386	-	-	-	-	-	-	3,386
OFFICE OF HUMAN DEVELOPMENT	2,202	1,057	-	-	-	-	1,145	-
OFFICE OF THE SECRETARY	929	-	650	-	-	-	279	-
SOCIAL AND REHABILITATION SERVICE	1,727	-	-	-	-	-	1,727	-
SOCIAL SECURITY ADMINISTRATION	2,738	-	-	-	-	-	-	2,738
OTHER AGENCIES								
ENERGY RESEARCH & DEVELOPMENT ADMIN	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	301	-	-	47	-	211	-	43
NATIONAL SCIENCE FOUNDATION	7,534	326	1,074	103	168	173	310	5,380

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 93 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-92. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF H.E.W.	DEPARTMENT OF STATE	ENVIRONMENTAL PROTECTION AGENCY	OTHER
TOTAL, ALL COUNTRIES	61,576	6,973	11,102	28,766	3,329	1,213	10,193
EUROPE, TOTAL	23,774	1,709	5,358	9,006	1,800	1,163	4,738
AUSTRIA	1,074	-	31	43	-	-	1,000
BELGIUM	240	-	133	57	-	-	50
DENMARK	300	-	38	118	-	-	144
FINLAND	409	-	25	313	-	-	71
FRANCE	732	-	147	245	-	75	265
ICELAND	98	-	-	-	-	-	98
IRELAND	58	-	58	-	-	-	-
ITALY	2,113	54	98	1,221	-	-	780
NETHERLANDS	2,684	-	174	674	1,800	-	36
NORWAY	595	-	409	191	-	-	195
POLAND	5,233	1,654	-	1,370	-	1,088	1,121
PORTUGAL	57	-	-	57	-	-	-
SPAIN	227	-	132	50	-	-	25
SWEDEN	1,779	-	414	1,239	-	-	126
SWITZERLAND	767	-	19	694	-	-	54
UNITED KINGDOM, TOTAL	1,898	-	589	678	-	-	631
ENGLAND	1,711	-	556	678	-	-	475
SCOTLAND	56	-	31	-	-	-	65
BERMUDA	91	-	-	-	-	-	91
WEST GERMANY	4,624	1	3,311	1,292	-	-	20
YUGOSLAVIA	781	-	-	764	-	-	17
OTHER EUROPE	105	-	-	-	-	-	105
ASIA, TOTAL	7,545	2,528	103	2,986	1,300	7	1,321
BURMA	50	-	-	50	-	-	-
INDIA	1,755	673	-	1,009	-	4	69
JAPAN	1,530	-	45	399	-	-	1,086
SOUTH KOREA	22	-	22	-	-	-	-
MALAYSIA	1	-	-	1	-	-	-
PAKISTAN	2,561	1,855	-	537	-	3	166
PHILIPPINES	12	-	12	-	-	-	-
TAIWAN	610	-	10	-	600	-	-
THAILAND	90	-	-	90	-	-	-
OTHER ASIA	914	-	14	-	900	-	-
NEAR EAST, TOTAL	10,639	2,569	2,698	4,955	-	40	377
GREECE	7	-	7	-	-	-	-
ISRAEL	3,660	-	544	3,004	-	35	77
TURKEY	360	360	-	-	-	-	-
UNITED ARAB REPUBLIC	5,191	2,209	2,127	770	-	5	80
OTHER NEAR EAST	1,421	-	20	1,181	-	-	220
AFRICA, TOTAL	3,051	167	95	642	1,692	-	455
KENYA	77	-	45	-	-	-	32
UGANDA	252	-	-	252	-	-	-
UNION OF SOUTH AFRICA	45	-	-	30	-	-	15
OTHER AFRICA	2,677	167	50	360	1,692	-	408
LATIN AMERICA, TOTAL	2,128	-	223	315	337	-	1,253
ARGENTINA	939	-	19	95	-	-	825
BOLIVIA	93	-	93	-	-	-	-
BRAZIL	87	-	37	27	-	-	23
CHILE	30	-	-	30	-	-	-
COLOMBIA	94	-	-	94	-	-	-
COSTA RICA	346	-	-	6	-	-	340
MEXICO	45	-	-	45	-	-	-
PERU	176	-	74	-	37	-	65
URUGUAY	18	-	-	18	-	-	-
OTHER LATIN AMERICA	300	-	-	-	300	-	-
AUSTRALIA	905	-	81	818	-	-	6
CANADA	8,356	-	2,534	3,776	-	3	2,043
NEW ZEALAND	43	-	10	33	-	-	-
INTERNATIONAL ORGANIZATIONS	5,135	-	-	5,135	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-93. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF H.E.W.	DEPARTMENT OF STATE	ENVIRONMENTAL PROTECTION AGENCY	OTHER
TOTAL, ALL COUNTRIES	89,410	8,062	10,955	36,756	5,364	4,327	17,946
EUROPE, TOTAL	33,547	2,019	4,659	8,832	2,200	1,801	14,036
AUSTRIA	1,263	-	18	45	-	-	1,200
BELGIUM	317	-	209	60	-	-	53
DENMARK	160	-	7	76	-	-	77
FINLAND	426	-	24	336	-	-	66
FRANCE	509	-	134	265	-	75	35
ICELAND	95	-	-	-	-	-	95
IRELAND	37	-	37	-	-	-	-
ITALY	1,622	49	140	1,433	-	-	-
NETHERLANDS	3,370	-	466	904	2,200	-	-
NORWAY	720	-	294	146	-	-	280
POLAND	16,235	1,970	-	2,181	-	1,726	10,358
PORTUGAL	10	-	-	10	-	-	-
SPAIN	190	-	89	51	-	-	50
SWEDEN	2,225	-	354	1,596	-	-	275
SWITZERLAND	252	-	16	223	-	-	13
UNITED KINGDOM, TOTAL	2,787	-	630	643	-	-	1,514
ENGLAND	2,212	-	571	643	-	-	998
SCOTLAND	442	-	19	-	-	-	423
BERMUDA	133	-	40	-	-	-	93
WEST GERMANY	3,092	-	2,446	626	-	-	20
YUGOSLAVIA	237	-	-	237	-	-	-
ASIA, TOTAL	11,961	3,580	492	5,139	880	1,181	736
BURMA	54	-	-	54	-	-	-
HONG KONG	25	-	-	25	-	-	-
INDIA	5,470	1,745	367	2,597	-	663	100
JAPAN	612	-	-	476	-	-	136
SOUTH KOREA	50	-	50	-	-	-	-
PAKISTAN	4,780	1,845	-	1,917	-	518	500
PHILIPPINES	18	-	18	-	-	-	-
THAILAND	65	-	-	65	-	-	-
OTHER ASIA	887	-	7	-	880	-	-
NEAR EAST, TOTAL	19,314	4,271	2,707	12,334	-	1,341	661
ISRAEL	3,930	-	545	3,279	-	70	36
TURKEY	300	300	-	-	-	-	-
UNITED ARAB REPUBLIC	10,923	1,971	2,133	5,287	-	1,017	525
OTHER NEAR EAST	4,151	-	29	3,768	-	254	100
AFRICA, TOTAL	2,606	184	80	423	1,844	-	75
KENYA	34	-	34	-	-	-	-
UGANDA	315	-	-	315	-	-	-
UNION OF SOUTH AFRICA	32	-	-	32	-	-	-
OTHER AFRICA	2,225	184	46	76	1,844	-	75
LATIN AMERICA, TOTAL	2,307	-	187	251	440	-	1,429
ARGENTINA	1,035	-	15	20	-	-	1,000
BOLIVIA	94	-	94	-	-	-	-
BRAZIL	116	-	59	35	-	-	22
CHILE	25	-	-	25	-	-	-
COLOMBIA	325	-	-	162	163	-	-
COSTA RICA	348	-	-	6	-	-	342
PERU	101	-	16	-	20	-	65
URUGUAY	3	-	-	3	-	-	-
OTHER LATIN AMERICA	260	-	3	-	257	-	-
AUSTRALIA	1,050	-	241	809	-	-	-
CANADA	8,007	-	2,634	4,360	-	4	1,009
NEW ZEALAND	25	-	5	20	-	-	-
INTERNATIONAL ORGANIZATIONS	4,593	-	-	4,593	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-94. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS, BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF H.E.W.	DEPARTMENT OF STATE	ENVIRONMENTAL PROTECTION AGENCY	OTHER
TOTAL, ALL COUNTRIES	11,826	2,648	2,668	3,535	-	-	3,575
EUROPE, TOTAL	4,301	837	827	1,493	-	-	1,144
AUSTRIA	19	-	19	-	-	-	-
BELGIUM	77	-	47	30	-	-	-
DENMARK	92	-	3	28	-	-	61
FINLAND	57	-	8	49	-	-	-
FRANCE	107	-	17	76	-	-	14
IRELAND	55	-	55	-	-	-	-
ITALY	128	21	38	69	-	-	-
NETHERLANDS	16	-	16	-	-	-	-
NORWAY	37	-	5	32	-	-	-
POLAND	1,931	815	-	823	-	-	793
SPAIN	22	-	22	-	-	-	-
SWEDEN	360	-	64	296	-	-	-
SWITZERLAND	121	-	4	65	-	-	52
UNITED KINGDOM, TOTAL	797	-	440	143	-	-	214
ENGLAND	610	-	409	143	-	-	58
SCOTLAND	96	-	31	-	-	-	65
BERMUDA	91	-	-	-	-	-	91
WEST GERMANY	90	1	89	-	-	-	-
YUGOSLAVIA	392	-	-	382	-	-	10
ASIA, TOTAL	1,309	445	77	52	-	-	235
INDIA	448	379	-	4	-	-	69
JAPAN	57	-	45	12	-	-	-
SOUTH KOREA	22	-	22	-	-	-	-
PAKISTAN	757	570	-	21	-	-	166
TAIWAN	10	-	10	-	-	-	-
THAILAND	15	-	-	15	-	-	-
NEAR EAST, TOTAL	2,398	773	483	838	-	-	304
GREECE	7	-	7	-	-	-	-
ISRAEL	1,191	-	476	671	-	-	4
TURKEY	102	102	-	-	-	-	-
UNITED ARAB REPUBLIC	918	671	-	167	-	-	80
OTHER NEAR EAST	220	-	-	-	-	-	220
AFRICA, TOTAL	222	93	43	54	-	-	32
KENYA	32	-	-	-	-	-	32
OTHER AFRICA	190	93	43	54	-	-	-
LATIN AMERICA, TOTAL	1,300	-	62	137	-	-	1,101
ARGENTINA	872	-	19	62	-	-	791
BRAZIL	58	-	31	27	-	-	-
COSTA RICA	261	-	-	6	-	-	255
MEXICO	24	-	-	24	-	-	-
PERU	67	-	12	-	-	-	55
URUGUAY	18	-	-	18	-	-	-
AUSTRALIA	360	-	81	279	-	-	-
CANADA	1,662	-	485	418	-	-	759
NEW ZEALAND	43	-	10	33	-	-	-
INTERNATIONAL ORGANIZATIONS	231	-	-	231	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-95. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS, BY REGION COUNTRY, AND AGENCY: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF H.E.W.	DEPARTMENT OF STATE	ENVIRONMENTAL PROTECTION AGENCY	OTHER
TOTAL, ALL COUNTRIES	13,645	3,286	1,678	3,901	-	-	4,780
EUROPE, TOTAL	5,218	965	821	1,652	-	-	1,780
AUSTRIA	17	-	17	-	-	-	-
BELGIUM	83	-	44	39	-	-	-
DENMARK	30	-	-	27	-	-	3
FINLAND	71	-	8	63	-	-	-
FRANCE	106	-	8	98	-	-	-
IRELAND	37	-	37	-	-	-	-
ITALY	145	19	12	114	-	-	-
NETHERLANDS	16	-	16	-	-	-	-
NORWAY	5	-	5	-	-	-	-
POLAND	3,160	966	-	639	-	-	1,575
SPAIN	5	-	5	-	-	-	-
SWEDEN	430	-	57	373	-	-	-
SWITZERLAND	34	-	4	30	-	-	-
UNITED KINGDOM, TOTAL	877	-	510	165	-	-	202
ENGLAND	645	-	451	165	-	-	39
SCOTLAND	89	-	19	-	-	-	70
BERMUDA	133	-	40	-	-	-	93
WEST GERMANY	98	-	98	-	-	-	-
YUGOSLAVIA	104	-	-	104	-	-	-
ASIA, TOTAL	2,222	1,539	-	79	-	-	604
HONG KONG	25	-	-	25	-	-	-
INDIA	1,075	971	-	4	-	-	100
JAPAN	20	-	-	16	-	-	4
PAKISTAN	1,068	568	-	-	-	-	500
THAILAND	34	-	-	34	-	-	-
NEAR EAST, TOTAL	2,319	686	306	948	-	-	375
ISRAEL	1,171	-	306	865	-	-	-
TURKEY	78	78	-	-	-	-	-
UNITED ARAB REPUBLIC	966	608	-	83	-	-	275
OTHER NEAR EAST	100	-	-	-	-	-	100
AFRICA, TOTAL	145	96	43	6	-	-	-
OTHER AFRICA	145	96	43	6	-	-	-
LATIN AMERICA, TOTAL	1,398	-	26	107	-	-	1,265
ARGENTINA	978	-	15	13	-	-	950
BRAZIL	43	-	8	35	-	-	-
COLOMBIA	50	-	-	50	-	-	-
COSTA RICA	266	-	-	6	-	-	260
PERU	55	-	-	-	-	-	55
URUGUAY	3	-	-	3	-	-	-
OTHER LATIN AMERICA	3	-	3	-	-	-	-
AUSTRALIA	413	-	52	361	-	-	-
CANADA	1,705	-	430	519	-	-	756
NEW ZEALAND	20	-	-	20	-	-	-
INTERNATIONAL ORGANIZATIONS	209	-	-	209	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-96. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975		ESTIMATES			
			1976		1977	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	61,576	18,384	83,410	35,849	80,512	37,076
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	6,973	6,613	8,062	7,762	9,694	9,394
AGRICULTURAL RESEARCH SERVICE	6,973	6,613	8,062	7,762	9,694	9,394
DEPARTMENT OF COMMERCE, TOTAL	408	-	75	-	75	-
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATON	408	-	75	-	75	-
DEPARTMENT OF DEFENSE, TOTAL	11,102	2,127	10,955	2,500	7,055	2,600
DEPARTMENT OF THE ARMY	2,045	-	3,108	-	1,074	-
DEPARTMENT OF THE NAVY	6,577	2,127	5,576	2,500	3,984	2,600
DEPARTMENT OF THE AIR FORCE	1,853	-	1,620	-	1,807	-
DEFENSE AGENCIES	627	-	651	-	190	-
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	26,766	6,881	36,756	10,456	37,760	15,075
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	1,251	359	1,632	918	1,446	825
CENTER FOR DISEASE CONTROL	1,348	1,344	6,506	6,502	3,129	3,125
FOOD AND DRUG ADMINISTRATION	733	538	926	926	1,280	1,280
HEALTH RESOURCES ADMINISTRATION	1,441	978	377	377	3,375	3,075
HEALTH SERVICES ADMINISTRATION	769	769	273	273	1,694	1,694
NATIONAL INSTITUTE OF EDUCATION	137	-	232	-	200	-
NATIONAL INSTITUTES OF HEALTH	18,736	542	21,692	2,342	24,188	2,328
OFFICE OF HUMAN DEVELOPMENT	2,351	2,351	5,058	5,058	2,748	2,748
DEPARTMENT OF THE INTERIOR, TOTAL	1,565	102	1,814	1,812	907	907
BONNEVILLE POWER ADMINISTRATION	1,046	-	-	-	-	-
BUREAU OF MINES	256	-	-	-	-	-
GEOLOGICAL SURVEY	179	-	-	-	-	-
OFFICE OF THE SECRETARY	102	102	1,812	1,812	907	907
DEPARTMENT OF JUSTICE, TOTAL	88	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	88	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	-	-	24	-	-	-
OFFICE OF THE SECRETARY	-	-	24	-	-	-
DEPARTMENT OF STATE, TOTAL	5,329	-	5,384	-	2,947	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	5,329	-	5,384	-	2,947	-
DEPARTMENT OF TRANSPORTATION, TOTAL	1,031	226	321	321	100	100
FEDERAL RAILROAD ADMINISTRATION	805	-	-	-	-	-
OFFICE OF THE SECRETARY	226	226	321	321	100	100
OTHER AGENCIES						
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	558	-	8,422	-	7,542	-
ENVIRONMENTAL PROTECTION AGENCY	1,213	1,100	4,327	4,198	6,500	6,000
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,483	-	1,261	-	1,150	-
NATIONAL SCIENCE FOUNDATION	3,744	1,335	5,476	2,800	5,982	3,000
NUCLEAR REGULATORY COMMISSION	311	-	555	-	800	-
VETERANS ADMINISTRATION	25	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-57. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975		ESTIMATES			
			1976		1977	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	11,826	4,754	13,645	6,556	16,351	8,533
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	2,648	2,546	3,286	3,208	3,972	3,750
AGRICULTURAL RESEARCH SERVICE	2,648	2,546	3,286	3,208	3,972	3,750
DEPARTMENT OF DEFENSE, TOTAL	1,066	-	1,678	-	1,826	-
DEPARTMENT OF THE ARMY	598	-	475	-	676	-
DEPARTMENT OF THE NAVY	532	-	561	-	429	-
DEPARTMENT OF THE AIR FORCE	940	-	852	-	721	-
DEFENSE AGENCIES	-	-	30	-	-	-
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	3,535	873	3,901	798	5,769	2,283
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	500	104	905	525	936	589
HEALTH SERVICES ADMINISTRATION	769	769	273	273	1,694	1,694
NATIONAL INSTITUTES OF HEALTH	2,266	-	2,723	-	3,139	-
OTHER AGENCIES						
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	888	-	813	-	800	-
NATIONAL SCIENCE FOUNDATION	2,687	1,335	3,967	2,550	3,984	2,500

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-98. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975		ESTIMATES			
			1976		1977	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	49,122	9,438	47,306	22,402	34,508	17,803
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	3,891	3,633	4,358	4,136	5,164	5,086
AGRICULTURAL RESEARCH SERVICE	3,891	3,633	4,358	4,136	5,164	5,086
DEPARTMENT OF COMMERCE, TOTAL	408	-	75	-	75	-
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	408	-	75	-	75	-
DEPARTMENT OF DEFENSE, TOTAL	1,308	-	1,312	-	1,005	-
DEPARTMENT OF THE ARMY	205	-	205	-	238	-
DEPARTMENT OF THE AIR FORCE	476	-	486	-	577	-
DEFENSE AGENCIES	627	-	621	-	190	-
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	15,927	5,030	29,659	15,281	21,370	9,717
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	751	255	727	393	510	238
CENTER FOR DISEASE CONTROL	1,348	1,344	6,566	6,562	3,129	3,125
FOOD AND DRUG ADMINISTRATION	733	538	926	926	1,280	1,280
HEALTH RESOURCES ADMINISTRATION	430	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	10,314	542	12,302	2,342	13,703	2,328
OFFICE OF HUMAN DEVELOPMENT	2,351	2,351	9,058	9,058	2,748	2,748
DEPARTMENT OF THE INTERIOR, TOTAL	254	79	1,350	1,350	700	700
GEOLOGICAL SURVEY	179	-	-	-	-	-
OFFICE OF THE SECRETARY	75	75	1,350	1,350	700	700
DEPARTMENT OF JUSTICE, TOTAL	68	-	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	68	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	-	-	24	-	-	-
OFFICE OF THE SECRETARY	-	-	24	-	-	-
DEPARTMENT OF STATE, TOTAL	4,262	-	3,766	-	754	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,262	-	3,766	-	754	-
OTHER AGENCIES						
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	442	-	7,066	-	492	-
ENVIRONMENTAL PROTECTION AGENCY	800	700	1,400	1,385	1,900	1,800
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	394	-	252	-	250	-
NATIONAL SCIENCE FOUNDATION	1,057	-	1,509	250	1,998	500
NUCLEAR REGULATORY COMMISSION	311	-	555	-	800	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-99. FEDERAL OBLIGATIONS FOR DEVELOPMENT TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975		ESTIMATES			
			1976		1977	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	20,068	9,194	22,459	6,891	29,053	10,740
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	434	434	418	418	558	558
AGRICULTURAL RESEARCH SERVICE	434	434	418	418	558	558
DEPARTMENT OF DEFENSE, TOTAL	7,726	2,127	7,965	2,500	4,224	2,600
DEPARTMENT OF THE ARMY	1,244	-	2,428	-	160	-
DEPARTMENT OF THE NAVY	6,045	2,127	5,055	2,500	3,555	2,600
DEPARTMENT OF THE AIR FORCE	437	-	482	-	509	-
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	7,304	978	7,196	377	10,621	3,075
HEALTH RESOURCES ADMINISTRATION	1,011	978	377	377	3,075	3,075
NATIONAL INSTITUTE OF EDUCATION	137	-	232	-	200	-
NATIONAL INSTITUTES OF HEALTH	6,156	-	6,587	-	7,346	-
DEPARTMENT OF THE INTERIOR, TOTAL	1,311	27	462	462	207	207
BONNEVILLE POWER ADMINISTRATION	1,046	-	-	-	-	-
BUREAU OF MINES	238	-	-	-	-	-
OFFICE OF THE SECRETARY	27	27	462	462	207	207
DEPARTMENT OF STATE, TOTAL	1,067	-	1,556	-	2,193	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,067	-	1,598	-	2,193	-
DEPARTMENT OF TRANSPORTATION, TOTAL	1,031	226	321	321	100	100
FEDERAL RAILROAD ADMINISTRATION	805	-	-	-	-	-
OFFICE OF THE SECRETARY	226	226	321	321	100	100
OTHER AGENCIES						
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	116	-	1,356	-	7,050	-
ENVIRONMENTAL PROTECTION AGENCY	913	900	2,927	2,813	4,600	4,200
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	1,201	-	216	-	100	-
VETERANS ADMINISTRATION	25	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-100. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	RESEARCH, DEVELOPMENT AND R&D PLANT	RESEARCH AND DEVELOPMENT	R&D PLANT
TOTAL, ALL STATES	19,350,005	18,549,010	800,995
NEW ENGLAND	1,673,840	1,651,154	22,686
CONNECTICUT	273,706	269,935	3,831
MAINE	11,796	11,793	3
MASSACHUSETTS	1,249,352	1,229,305	11,047
NEW HAMPSHIRE	38,549	33,613	2,936
RHODE ISLAND	79,875	75,008	4,867
VERMONT	21,500	21,500	-
MIDDLE ATLANTIC	2,393,697	2,278,932	78,765
NEW JERSEY	453,647	442,175	11,472
NEW YORK	1,145,996	1,059,560	40,436
PENNSYLVANIA	794,054	775,197	18,857
EAST NORTH CENTRAL	1,465,291	1,377,005	48,286
ILLINOIS	401,164	371,591	29,573
INDIANA	92,883	92,795	88
MICHIGAN	248,786	248,145	641
OHIO	600,387	585,522	15,065
WISCONSIN	81,911	78,992	2,919
WEST NORTH CENTRAL	277,306	271,524	5,782
IOWA	98,199	97,453	746
KANSAS	32,894	32,876	18
MINNESOTA	123,249	123,122	127
MISSOURI	333,211	329,125	4,086
NEBRASKA	20,407	19,998	409
NORTH DAKOTA	12,963	12,567	396
SOUTH DAKOTA	6,383	6,383	-
SOUTH ATLANTIC	4,165,879	3,992,175	173,704
DELAWARE	10,087	9,969	118
DISTRICT OF COLUMBIA	589,255	581,310	7,945
FLORIDA	892,960	796,980	95,980
GEORGIA	81,317	80,860	457
MARYLAND	1,699,350	1,609,292	90,058
NORTH CAROLINA	117,966	117,160	806
SOUTH CAROLINA	28,369	24,533	3,836
VIRGINIA	749,230	726,095	23,141
WEST VIRGINIA	47,879	45,996	1,883
EAST SOUTH CENTRAL	823,148	770,620	52,528
ALABAMA	371,684	363,319	8,369
KENTUCKY	35,020	35,020	-
MISSISSIPPI	82,685	77,843	4,842
TENNESSEE	353,755	314,438	39,317
WEST SOUTH CENTRAL	881,664	872,744	8,920
ARKANSAS	24,091	23,378	713
LOUISIANA	101,983	101,680	303
OKLAHOMA	34,539	34,287	248
TEXAS	721,052	713,419	7,636
MOUNTAIN	1,379,727	1,274,827	104,900
ARIZONA	117,022	115,740	1,282
COLORADO	271,704	266,804	4,900
IDAHO	82,494	66,340	16,154
MONTANA	26,922	26,591	331
NEVADA	161,110	149,399	11,711
NEW MEXICO	622,469	554,349	68,120
UTAH	81,703	79,585	2,118
WYOMING	16,303	16,019	284
PACIFIC	5,595,314	5,289,551	305,863
ALASKA	35,515	34,640	875
CALIFORNIA	4,989,825	4,838,776	151,059
HAWAII	49,173	42,970	6,203
OREGON	79,834	78,606	1,228
WASHINGTON	440,957	294,459	146,498
OUTLYING AREAS	29,202	28,725	477
OFFICES ABROAD	94,927	93,843	1,084

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D AND R&D PLANT OBLIGATIONS IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-101. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY STATE AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL, ALL STATES	18,549,010	15,209,711	18,351,240	683,619	2,366,908	928,098	616,812	208,857	185,765
CALIFORNIA	4,838,776	708,793	13,190,734	44,978	352,514	316,951	93,679	101,009	30,118
MARYLAND	1,609,292	1,027,076	395,874	25,800	72,187	72,025	11,678	-	4,652
MASSACHUSETTS	1,225,305	225,907	540,952	-	216,004	67,019	133,711	36,208	5,464
NEW YORK	1,055,360	85,343	450,177	79,646	267,786	72,467	74,807	-	25,334
FLORIDA	796,960	415,915	321,960	-	49,846	-	3,743	-	5,530
PENNSYLVANIA	775,197	121,731	361,452	96,170	145,900	6,891	57,182	-	5,871
VIRGINIA	746,095	381,149	271,704	-	32,096	549	7,142	29,293	4,162
TEXAS	713,419	214,294	365,257	-	114,881	-	12,909	-	6,078
WASHINGTON	699,459	24,105	432,813	127,928	84,337	-	7,784	30,711	6,781
OHIO	582,522	291,316	193,860	7,056	60,323	-	28,570	-	4,393
DISTRICT OF COLUMBIA	581,310	421,307	96,921	-	27,759	1,349	29,447	1,724	2,803
NEW MEXICO	554,349	187,183	44,374	145,596	15,644	153,705	6,637	-	1,308
NEW JERSEY	442,175	124,621	248,399	-	35,790	23,265	5,403	-	4,697
ILLINOIS	371,551	50,456	38,568	-	109,548	142,328	27,577	-	3,074
ALABAMA	363,319	246,266	84,700	-	26,326	-	4,621	-	1,406
MISSOURI	329,125	17,174	251,040	-	49,861	-	7,742	-	3,308
TENNESSEE	314,438	28,999	126,746	113,268	30,981	3,431	3,885	-	1,128
CONNECTICUT	265,935	16,308	198,813	4,036	49,069	-	4,835	-	2,877
COLORADO	266,804	53,057	129,466	-	44,753	23,128	9,781	-	9,619
MICHIGAN	248,145	34,479	126,914	-	65,981	-	11,027	-	3,744
NEVADA	149,399	37,883	96,930	3,165	3,248	3,694	3,966	-	513
MINNESOTA	123,122	9,775	59,304	-	41,054	-	15,454	-	2,535
NORTH CAROLINA	117,160	44,816	4,489	-	60,627	-	5,534	-	1,690
ARIZONA	115,740	35,970	47,228	-	20,427	8,374	2,352	-	1,379
LOUISIANA	101,680	22,397	54,859	-	18,847	-	1,941	-	3,639
INDIANA	92,795	17,574	29,543	-	39,595	-	1,375	-	4,708
GEORGIA	80,860	25,661	11,065	-	30,018	-	1,494	-	2,612
UTAH	79,585	22,457	23,678	-	29,679	-	1,631	-	2,139
WISCONSIN	78,992	11,251	3,148	-	60,743	-	2,157	-	1,693
OREGON	78,006	35,177	3,483	-	28,531	-	9,346	-	2,069
RHODE ISLAND	75,008	36,762	21,110	-	14,905	-	2,227	-	504
IDAHO	66,340	6,533	1,483	33,210	4,774	10,921	400	-	1,022
MISSISSIPPI	57,843	33,827	12,512	-	10,422	-	265	-	817
IOWA	47,953	7,729	6,691	-	23,568	7,774	223	-	1,468
WEST VIRGINIA	45,996	12,776	18,189	-	6,108	5,569	1,621	-	1,740
HAWAII	42,970	6,568	16,963	-	17,360	-	1,460	-	619
KENTUCKY	35,020	12,401	6,384	-	14,599	-	1,130	-	2,446
ALASKA	34,640	21,123	1,878	-	9,268	-	137	-	2,234
OKLAHOMA	34,267	12,837	2,153	-	13,626	-	3,532	-	2,119
NEW HAMPSHIRE	33,613	4,499	15,382	-	8,014	-	4,943	-	1,030
KANSAS	32,876	3,795	11,142	-	15,857	-	596	-	1,486
VERMONT	31,500	1,265	19,488	-	9,326	-	860	-	561
MONTANA	26,591	11,784	1,151	-	7,038	-	5,467	-	1,151
SOUTH CAROLINA	24,533	4,983	831	2,762	12,501	-	108	-	3,348
ARKANSAS	23,378	13,393	178	-	7,047	-	581	-	2,179
NEBRASKA	19,998	5,467	2,024	-	11,382	-	302	-	823
WYOMING	16,019	10,065	772	-	4,712	-	169	-	301
NORTH DAKOTA	12,567	7,605	-	-	4,021	-	216	-	525
MAINE	11,793	2,065	1,691	-	2,890	-	3,387	-	1,760
DELAWARE	9,969	980	1,411	-	5,308	-	1,342	-	928
SOUTH DAKOTA	6,383	2,628	131	-	2,703	-	97	-	824
OUTLYING AREAS	28,725	15,044	865	-	7,422	2,700	139	-	2,555
OFFICES ABROAD	43,853	31,119	3,662	-	192	958	10	7,912	-

(1) FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-101A. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH PERFORMER, BY STATE: FISCAL YEAR 1975

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL, ALL STATES	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CALIFORNIA	26.1	13.6	38.2	6.6	19.9	34.4	15.2	48.8	16.2
MARYLAND	8.7	19.7	4.7	3.8	3.0	7.8	1.9	-	2.5
MASSACHUSETTS	5.6	4.4	6.5	-	9.1	7.2	21.7	17.5	6.9
NEW YORK	5.7	1.7	5.4	11.7	11.3	7.9	12.1	-	13.6
FLORIDA	3.3	8.0	3.9	-	4.1	-	.6	-	3.0
PENNSYLVANIA	4.	2.3	4.3	14.1	5.3	.7	9.3	-	3.2
VIRGINIA	3.5	7.3	3.3	-	1.4	.1	1.2	14.2	2.2
TEXAS	3.8	4.1	4.4	-	4.9	-	2.1	-	3.3
WASHINGTON	3.7	.5	5.2	18.7	2.7	-	1.3	14.8	3.7
OHIO	3.2	5.6	2.3	1.0	4.5	-	4.6	-	2.4
DISTRICT OF COLUMBIA	3.1	8.1	1.2	-	1.2	.1	4.8	.8	1.5
NEW MEXICO	3.0	3.6	.5	21.3	.7	10.6	1.1	-	.7
NEW JERSEY	2.9	2.9	3.0	-	1.5	2.5	.9	-	2.5
ILLINOIS	2.6	1.0	.9	-	4.0	15.3	4.5	-	1.7
ALABAMA	2.0	4.7	1.0	-	1.1	-	.7	-	.8
MISSOURI	1.8	.3	3.0	-	2.1	-	1.3	-	1.8
TENNESSEE	1.7	.6	1.5	16.6	1.6	.4	.6	-	.6
CONNECTICUT	1.5	.6	2.4	.6	2.1	-	.8	-	1.5
COLORADO	1.4	1.0	1.6	-	1.9	2.2	1.6	-	5.2
MICHIGAN	1.3	.7	1.6	-	2.8	-	1.8	-	2.0
NEVADA	.8	.7	1.2	.5	.1	.4	.6	-	.3
MINNESOTA	.7	.6	.7	-	1.7	-	2.5	-	1.4
NORTH CAROLINA	.6	.5	.1	-	2.6	-	.9	-	.9
ARIZONA	.6	.7	.6	-	.9	.4	.9	-	.7
LOUISIANA	.5	.4	.7	-	.8	-	.3	-	2.0
INDIANA	.5	.3	.4	-	1.7	-	.2	-	2.5
GEORGIA	.4	.0	.1	-	1.5	-	.2	-	1.4
UTAH	.4	.4	.3	-	1.3	-	.3	-	1.2
WISCONSIN	.4	.2	*	-	2.6	-	.3	-	.9
OREGON	.4	.7	*	-	1.2	-	1.5	-	1.1
RHODE ISLAND	.4	.7	.2	-	.6	-	.4	-	.3
IDAHO	.4	.1	*	4.9	.2	2.0	.1	-	.6
MISSISSIPPI	.3	.6	.1	-	.4	-	*	-	.4
IOWA	.3	.1	.1	-	1.0	.8	*	-	.8
WEST VIRGINIA	.2	.2	.2	-	.3	.6	.3	-	.9
HAWAII	.2	.1	.2	-	.7	-	.2	-	.3
KENTUCKY	.2	.2	.1	-	.5	-	.2	-	1.3
ALASKA	.2	.4	*	-	.4	-	*	-	1.2
OKLAHOMA	.2	.2	*	-	.6	-	.6	-	1.1
NEW HAMPSHIRE	.2	.1	.2	-	.3	-	.8	-	.6
KANSAS	.2	.1	.1	-	.7	-	.1	-	.8
VERMONT	.2	*	.2	-	.4	-	.1	-	.3
MONTANA	.1	.2	*	-	.3	-	.9	-	.6
SOUTH CAROLINA	.1	.1	*	.9	.5	-	*	-	1.8
ARKANSAS	.1	.3	*	-	.3	-	.1	-	1.2
NEBRASKA	.1	.1	*	-	.5	-	*	-	.4
WYOMING	.1	.2	*	-	.2	-	*	-	.2
NORTH DAKOTA	.1	.1	-	-	.2	-	*	-	.3
MAINE	.1	*	*	-	.1	-	.5	-	.9
DELAWARE	.1	*	*	-	.2	-	.2	-	.5
SOUTH DAKOTA	*	.1	*	-	.1	-	*	-	.4
OUTLYING AREAS	.2	.3	*	-	.3	.3	*	-	1.9
OFFICES ABROAD	.2	.6	*	-	*	.1	*	3.8	-

* PERCENTAGE LESS THAN .05%

(1) FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-101B. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH STATE, BY PERFORMER: FISCAL YEAR 1975

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL, ALL STATES	100.0%	28.4%	45.0%	3.7%	12.8%	5.0%	3.3%	1.1%	1.0%
CALIFORNIA	100.0	14.0	55.9	.9	7.3	6.0	1.9	2.1	.6
MARYLAND	100.0	62.8	24.0	1.6	9.3	4.2	.7	-	.3
MASSACHUSETTS	100.0	18.7	44.0	-	17.6	5.5	10.9	2.9	.4
NEW YORK	100.0	6.4	46.3	7.5	25.3	6.8	7.1	-	2.4
FLORIDA	100.0	52.2	40.9	-	6.3	-	.5	-	.7
PENNSYLVANIA	100.0	15.7	46.6	12.9	16.2	.9	7.9	-	.8
VIRGINIA	100.0	52.9	37.9	-	9.9	.1	1.0	4.0	.6
TEXAS	100.0	36.0	51.2	-	10.1	-	1.8	-	.9
WASHINGTON	100.0	3.5	82.3	10.9	9.3	-	1.1	4.9	1.0
OHIO	100.0	49.8	33.1	1.2	10.3	-	4.9	-	.6
DISTRICT OF COLUMBIA	100.0	72.5	16.7	-	4.8	.2	5.1	.3	.5
NEW MEXICO	100.0	32.0	8.0	20.2	2.8	27.7	1.2	-	.2
NEW JERSEY	100.0	28.2	56.2	-	8.1	3.3	1.2	-	1.1
ILLINOIS	100.0	13.6	10.9	-	29.5	30.3	7.9	-	.8
ALABAMA	100.0	67.8	23.3	-	7.2	-	1.3	-	.9
MISSOURI	100.0	9.2	76.3	-	13.1	-	2.4	-	1.0
TENNESSEE	100.0	9.2	40.3	36.0	11.8	1.1	1.2	-	.4
CONNECTICUT	100.0	3.0	73.7	1.5	18.2	-	1.8	-	1.1
COLORADO	100.0	19.9	48.5	-	10.8	7.9	3.7	-	3.6
MICHIGAN	100.0	12.9	53.0	-	26.6	-	4.4	-	1.5
NEVADA	100.0	25.4	64.9	2.1	2.2	2.5	2.7	-	.3
MINNESOTA	100.0	7.9	49.1	-	23.3	-	12.6	-	2.1
NORTH CAROLINA	100.0	38.2	3.8	-	51.8	-	4.8	-	1.4
ARIZONA	100.0	31.1	40.8	-	17.6	7.2	2.0	-	1.2
LOUISIANA	100.0	22.0	53.9	-	18.5	-	1.9	-	3.6
INDIANA	100.0	18.9	31.8	-	42.7	-	1.5	-	5.1
GEORGIA	100.0	36.7	13.7	-	44.5	-	1.8	-	3.2
UTAH	100.0	28.7	29.8	-	37.3	-	2.0	-	2.7
WISCONSIN	100.0	14.2	4.0	-	76.9	-	2.7	-	2.1
OREGON	100.0	44.8	4.9	-	36.3	-	11.9	-	2.0
RHODE ISLAND	100.0	45.0	28.1	-	19.2	-	3.0	-	.7
IDAHO	100.0	9.8	2.2	50.1	7.2	26.5	.6	-	1.5
MISSISSIPPI	100.0	58.5	21.0	-	18.0	-	.5	-	1.4
IOWA	100.0	16.3	14.1	-	49.7	16.4	.5	-	3.1
WEST VIRGINIA	100.0	27.8	39.5	-	13.3	12.1	3.5	-	3.8
HAWAII	100.0	15.3	39.5	-	40.4	-	3.4	-	1.4
KENTUCKY	100.0	35.6	18.2	-	30.0	-	3.2	-	7.0
ALASKA	100.0	61.0	2.4	-	26.8	-	.4	-	6.4
OKLAHOMA	100.0	37.5	6.3	-	39.6	-	10.3	-	6.2
NEW HAMPSHIRE	100.0	12.6	49.8	-	23.8	-	14.7	-	3.1
KANSAS	100.0	11.5	33.9	-	48.2	-	1.8	-	4.5
VERMONT	100.0	4.0	61.9	-	29.6	-	2.7	-	1.8
MONTANA	100.0	44.3	9.3	-	26.5	-	20.6	-	4.3
SOUTH CAROLINA	100.0	26.3	3.4	11.3	31.0	-	.4	-	13.6
ARKANSAS	100.0	57.3	.8	-	30.1	-	2.5	-	9.3
NEBRASKA	100.0	27.3	10.1	-	36.9	-	1.5	-	4.1
WYOMING	100.0	62.8	4.8	-	29.4	-	1.1	-	1.9
NORTH DAKOTA	100.0	62.1	-	-	32.0	-	1.7	-	4.2
MAINE	100.0	17.5	19.3	-	29.2	-	28.7	-	14.9
DELAWARE	100.0	9.8	19.6	-	58.2	-	13.5	-	9.3
SOUTH DAKOTA	100.0	41.2	2.1	-	42.3	-	1.5	-	12.9
OUTLYING AREAS	100.0	52.4	3.0	-	25.8	9.4	.5	-	8.9
OFFICES ABROAD	100.0	71.0	8.4	-	.4	2.2	*	18.0	-

* PERCENTAGE LESS THAN .05%

(1) FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-402. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY STATE AND AGENCY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF HEALTH, EDUC & WELFARE	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENERGY RESEARCH & DEVELOP ADMIN	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL, ALL STATES	18,549,010	413,109	214,974	9,301,370	2,548,435	279,495	310,536	2,071,694	256,444	3,061,930	594,277
CALIFORNIA	4,838,776	26,428	12,504	2,766,102	270,184	27,771	37,142	365,959	23,284	1,188,534	116,803
MARYLAND	1,609,292	39,695	57,007	672,050	483,222	7,632	38,113	16,477	13,399	269,628	14,069
MASSACHUSETTS	1,249,305	1,555	9,618	874,625	156,267	11,198	49,772	19,606	6,905	42,327	56,432
NEW YORK	1,359,563	11,420	11,825	466,692	262,255	6,312	61,725	165,538	6,263	50,509	56,921
FLORIDA	756,960	10,044	14,682	467,481	32,612	3,954	4,622	2,608	1,727	247,970	11,260
PENNSYLVANIA	775,197	16,800	646	277,594	114,622	29,816	19,919	255,863	7,195	32,271	24,675
VIRGINIA	726,095	3,732	6,189	460,639	39,784	17,297	19,764	5,419	9,351	156,886	7,214
TEXAS	713,619	15,154	5,294	256,292	77,340	5,902	20,453	7,857	6,848	307,690	10,989
WASHINGTON	694,455	7,679	9,408	397,549	49,895	10,062	16,900	176,971	2,667	8,919	14,411
OHIO	585,524	6,589	214	348,458	57,611	5,685	9,276	22,302	17,529	110,312	10,006
DISTRICT OF COLUMBIA	581,310	44,106	8,967	241,031	75,869	9,397	15,036	19,323	38,352	88,317	40,334
NEW MEXICO	594,349	1,935	143	218,900	7,595	3,601	491	307,532	385	12,902	1,906
NEW JERSEY	442,175	2,302	8,044	300,494	25,506	5,281	6,908	42,030	4,710	34,161	22,739
ILLINOIS	371,551	14,829	2,081	83,986	70,060	3,622	6,963	165,747	4,330	8,634	31,799
ALABAMA	383,319	5,275	1,129	122,492	21,434	3,231	2,000	974	1,176	203,074	2,534
MISSOURI	329,125	5,117	468	257,238	42,310	6,617	3,121	709	4,026	3,678	5,881
TENNESSEE	314,438	4,256	465	75,495	34,168	1,941	282	173,340	13,455	4,115	7,163
CONNECTICUT	269,935	1,960	2,401	159,774	41,444	952	2,196	22,109	1,886	28,830	8,321
COLORADO	266,804	7,938	19,146	28,351	33,353	24,792	2,675	18,203	4,729	94,644	32,773
MICHIGAN	248,145	5,656	4,942	136,754	46,959	3,622	5,200	16,784	8,639	6,832	17,089
NEVADA	149,399	1,347	122	16,424	549	6,330	104	111,480	10,927	1,178	938
MINNESOTA	123,122	6,613	89	36,674	45,254	6,609	5,718	4,444	2,814	11,047	3,882
NORTH CAROLINA	117,160	8,783	2,206	11,733	56,245	2,627	627	1,605	24,701	1,956	6,477
ARIZONA	115,740	8,096	156	63,475	11,771	4,244	2,242	835	735	10,487	12,449
LOUISIANA	101,680	19,899	2,259	17,017	14,635	1,235	2,210	654	621	41,693	1,457
INDIANA	52,795	3,496	1,547	42,454	20,822	1,448	1,393	2,822	440	5,793	12,779
GEORGIA	80,860	16,863	1,471	11,992	30,262	2,299	1,502	3,027	1,154	6,784	5,526
UTAH	79,585	4,153	312	20,636	16,956	8,564	975	5,300	1,491	16,815	4,341
WISCONSIN	78,992	11,518	1,402	3,929	42,198	2,004	289	4,767	1,911	2,107	8,467
OREGON	76,606	10,670	4,931	2,438	24,012	8,834	509	900	18,317	1,455	7,540
RHODE ISLAND	75,008	632	2,669	57,479	5,175	673	961	1,075	474	518	6,417
IDAHO	66,340	5,314	124	-1	1,008	2,767	479	55,056	210	251	1,357
MISSISSIPPI	57,843	12,652	4,647	14,575	5,097	2,477	759	102	714	15,521	499
IOWA	47,453	8,559	741	6,549	16,196	1,073	558	7,906	545	3,330	2,286
WEST VIRGINIA	45,996	3,599	152	241	7,922	3,936	840	22,005	1,098	314	5,889
HAWAII	42,970	2,427	3,118	19,834	6,496	1,563	321	3,071	478	2,308	3,843
KENTUCKY	35,020	5,534	262	7,147	10,752	3,964	1,225	4,847	1,512	343	1,454
ALASKA	34,640	2,433	6,726	7,151	1,034	9,972	1,249	619	126	2,862	2,246
OKLAHOMA	34,267	4,490	2,196	5,229	8,456	1,976	930	6,082	1,791	3,611	2,086
NEW HAMPSHIRE	33,613	1,815	778	18,101	9,579	475	388	215	32	672	1,558
KANSAS	32,876	3,524	31	7,348	12,323	867	2,652	1,867	484	2,255	1,525
VERMONT	31,500	1,594	476	19,394	9,047	275	68	24	264	22	356
MONTANA	26,591	8,090	313	1,092	10,111	2,732	37	1,903	1,620	20	673
SOUTH CAROLINA	24,533	5,226	974	1,387	7,745	1,215	663	3,923	1,565	402	1,433
ARKANSAS	23,378	3,069	42	407	11,753	1,219	1,522	104	4,583	186	493
NEBRASKA	19,998	6,509	75	2,192	7,676	791	432	149	172	283	1,719
WYOMING	16,019	1,475	74	60	467	5,183	184	5,773	174	1,105	1,524
NORTH DAKOTA	12,567	6,215	261	104	802	1,786	79	2,970	58	331	183
MAINE	11,793	1,793	1,592	1,057	3,960	960	873	373	333	51	821
DELAWARE	9,969	1,419	803	2,132	1,165	648	490	873	267	450	1,722
SOUTH DAKOTA	6,383	2,251	69	177	615	1,473	424	109	79	640	546
OUTLYING AREAS	28,725	3,839	610	11,056	4,788	3,056	657	1,657	-	-	3,062
OFFICES ABROAD	43,853	-1	162	6,484	46	-1	-1	7,806	-	28,357	958

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-162A. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT OF EACH AGENCY, BY STATE: FISCAL YEAR 1975

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF HEALTH, EDUC & WELFARE	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENERGY RESEARCH & DEVELOP ADMIN	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL, ALL STATES	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CALIFORNIA	26.1	6.4	5.8	30.7	11.5	9.9	12.3	17.9	9.1	38.8	19.8
MARYLAND	8.7	9.0	26.5	7.5	20.6	4.7	11.0	.8	5.2	8.8	2.4
MASSACHUSETTS	6.6	.4	4.5	9.7	6.7	4.0	16.0	.9	2.7	1.4	9.5
NEW YORK	5.7	2.8	3.5	5.2	11.2	2.3	7.0	8.0	4.5	1.6	9.6
FLORIDA	4.3	2.4	6.8	5.2	1.4	1.4	1.5	.1	.7	8.1	1.9
PENNSYLVANIA	4.2	3.1	.3	3.1	4.9	10.7	6.4	16.4	2.8	1.1	4.2
VIRGINIA	3.9	.9	2.9	5.1	1.7	9.2	6.4	.3	3.6	5.1	1.2
TEXAS	3.8	3.7	2.5	2.8	3.3	2.1	6.5	.4	2.7	10.0	1.9
WASHINGTON	3.7	1.9	4.4	4.4	2.1	3.6	5.4	8.5	1.0	.3	2.4
OHIO	3.2	1.5	.1	3.9	2.5	1.3	3.0	1.1	6.8	3.6	1.7
DISTRICT OF COLUMBIA	3.1	10.7	9.2	2.7	3.2	3.4	5.0	.9	15.0	2.9	6.8
NEW MEXICO	3.0	.5	.1	2.4	.3	1.1	.2	19.8	.2	.4	.3
NEW JERSEY	2.4	.6	3.7	3.3	1.1	1.4	2.2	2.0	1.8	1.1	2.2
ILLINOIS	2.0	2.6	1.0	.7	3.0	1.3	2.1	8.0	1.7	.3	5.4
ALABAMA	2.0	1.3	.5	1.4	.9	1.2	.6	*	.5	6.6	.4
MISSOURI	1.8	1.2	.6	2.9	1.8	2.4	1.0	*	1.6	.1	1.0
TENNESSEE	1.7	1.0	.2	.8	1.5	.7	.1	8.4	5.2	.1	1.2
CONNECTICUT	1.5	.5	1.1	1.8	1.8	.3	.7	1.1	.7	.9	1.4
COLORADO	1.4	1.9	8.9	.3	1.4	8.9	.9	.9	1.8	3.1	5.5
MICHIGAN	1.3	1.4	2.1	1.5	2.0	1.3	1.7	.8	2.4	.2	2.9
NEVADA	.8	.3	.1	.2	*	2.3	*	5.4	4.3	*	.2
MINNESOTA	.7	1.6	*	.4	1.9	4.4	1.8	.2	1.1	.4	.7
NORTH CAROLINA	.6	2.1	1.0	.1	2.4	.9	.2	.1	9.6	.1	1.1
ARIZONA	.6	2.0	.1	.7	.5	1.5	.7	*	.3	.3	2.3
LOUISIANA	.5	4.8	1.1	.2	.6	.4	.7	*	.2	1.4	.2
INDIANA	.5	.8	.7	.5	.9	.4	.4	.1	.2	.2	2.2
GEORGIA	.4	4.1	.7	.1	1.3	.8	.5	.1	.5	.2	.9
UTAH	.4	1.0	.1	.2	.7	3.1	.3	.3	.6	.5	.7
WISCONSIN	.4	2.9	.7	*	1.8	.7	.1	.2	.7	.1	1.4
OREGON	.4	2.4	2.1	*	1.0	3.2	.2	*	7.1	*	1.3
RHODE ISLAND	.4	.2	1.1	.6	.2	.2	*	.1	.2	*	1.1
IDAHO	.4	1.3	.1	-	*	1.0	.2	2.7	.1	*	.2
MISSISSIPPI	.3	3.3	2.2	.2	.2	.9	.2	*	.3	.5	.1
IOWA	.3	2.2	*	.1	.7	.4	.2	.4	.2	.1	.4
WEST VIRGINIA	.2	.9	.1	*	.3	1.4	.3	1.1	.4	*	1.0
HAWAII	.2	.0	1.5	.2	.3	.6	*	.1	.1	.1	.6
KENTUCKY	.2	1.3	.1	.1	.5	1.4	.4	.1	.6	*	.2
ALASKA	.2	.6	3.1	.1	.1	3.6	.4	*	*	.1	.4
OKLAHOMA	.2	1.1	1.0	*	.4	.7	.3	.3	.7	.1	.4
NEW HAMPSHIRE	.2	.4	.4	.2	.4	.2	.1	*	*	*	.3
KANSAS	.2	.5	*	.1	.5	.3	.9	.1	.2	.1	.3
VERMONT	.2	.4	.2	.2	.4	.1	*	*	.1	*	.1
MONTANA	.1	2.0	.1	*	.4	1.0	*	.1	.6	*	.1
SOUTH CAROLINA	.1	1.3	.5	*	.3	.4	.2	.2	.6	*	.2
ARKANSAS	.1	.7	*	*	.5	.4	.5	*	1.8	*	.1
NEBRASKA	.1	1.6	*	*	.3	.2	.1	*	.1	*	.3
WYOMING	.1	.4	*	*	*	1.9	.1	.3	.1	*	.3
NORTH DAKOTA	.1	1.5	.1	*	*	.6	*	.1	*	*	*
MAINE	.1	.4	.7	*	.2	.4	.3	*	.1	*	.1
DELAWARE	.1	.3	.4	*	*	.2	.2	*	.1	*	.3
SOUTH DAKOTA	*	.5	*	*	*	.5	.1	*	*	*	.1
OUTLYING AREAS	.6	.9	.3	.1	.2	1.1	.2	.1	-	-	.5
OFFICES ABROAD	.2	-	.1	.1	*	-	-	.4	-	.9	.2

* PERCENTAGE LESS THAN .05%

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-102B. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH STATE, BY AGENCY: FISCAL YEAR 1975

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF HEALTH, EDUC & WELFARE	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENERGY RESEARCH & DEVELOP ADMIN	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL, ALL STATES	100.0%	2.2%	1.2%	48.5%	12.7%	1.5%	1.7%	11.2%	1.4%	16.5%	2.2%
CALIFORNIA	100.0	.5	.3	57.2	5.6	.6	.8	7.6	.5	24.6	2.4
MARYLAND	100.0	2.9	3.5	41.8	30.3	.5	2.2	1.0	.8	16.8	.9
MASSACHUSETTS	100.0	.1	.8	74.1	12.7	.9	4.3	1.6	.6	3.5	4.6
NEW YORK	100.0	1.1	1.1	44.0	24.8	.6	2.1	13.6	.6	4.8	5.4
FLORIDA	100.0	1.3	1.8	58.7	4.1	.5	.6	.3	.2	31.1	1.4
PENNSYLVANIA	100.0	1.7	.1	35.8	14.8	3.8	2.6	32.0	.9	4.2	3.2
VIRGINIA	100.0	.3	.5	63.4	2.5	2.4	4.7	.7	1.3	21.6	1.0
TEXAS	100.0	2.1	.7	35.9	10.8	.8	2.8	1.1	1.0	43.1	1.5
WASHINGTON	100.0	1.1	1.4	57.2	7.2	1.4	2.4	25.5	.4	1.3	2.1
OHIO	100.0	1.0	*	59.5	9.8	.6	1.6	3.8	3.0	18.8	1.7
DISTRICT OF COLUMBIA	100.0	7.6	1.5	41.5	13.1	1.6	2.7	3.3	6.6	15.4	6.9
NEW MEXICO	100.0	.3	*	39.5	1.4	.6	.1	55.5	.1	2.2	.3
NEW JERSEY	100.0	.5	1.8	68.0	5.8	1.2	1.6	9.5	1.1	7.7	2.9
ILLINOIS	100.0	4.0	.6	17.4	18.9	1.0	1.7	44.6	1.2	2.2	8.6
ALABAMA	100.0	1.5	.3	33.7	5.9	.9	.6	.2	.3	55.9	.7
MISSOURI	100.0	1.6	.1	78.2	12.9	2.0	.9	.2	1.2	1.1	1.6
TENNESSEE	100.0	1.4	.1	23.9	10.9	.6	.1	55.1	4.5	1.5	2.3
CONNECTICUT	100.0	.7	.9	59.2	15.4	.4	.8	8.2	.7	10.7	3.1
COLORADO	100.0	3.0	7.2	10.6	12.5	9.3	1.0	6.8	1.6	35.5	12.3
MICHIGAN	100.0	2.3	1.9	53.5	18.9	1.5	2.1	6.8	3.5	2.8	3.9
NEVADA	100.0	.9	.1	11.0	.4	4.2	.1	74.6	7.3	.8	.6
MINNESOTA	100.0	5.4	.1	29.8	36.7	5.4	4.6	3.6	2.3	9.0	3.6
NORTH CAROLINA	100.0	7.5	1.9	10.0	48.0	2.2	.9	1.9	21.1	1.7	5.7
ARIZONA	100.0	7.0	.1	54.8	10.2	3.7	2.0	.7	.6	9.1	11.8
LOUISIANA	100.0	19.6	2.2	16.7	14.9	1.2	2.2	.6	.6	41.0	1.4
INDIANA	100.0	3.8	1.7	45.8	22.4	1.3	1.5	3.0	.5	6.2	13.8
GEORGIA	100.0	20.9	1.8	14.8	37.4	2.8	1.9	3.7	1.4	8.4	6.8
UTAH	100.0	5.3	.4	25.9	21.3	10.8	1.2	6.7	1.9	21.1	5.5
WISCONSIN	100.0	15.1	1.8	5.0	33.4	2.5	.4	6.0	2.4	2.7	10.7
OREGON	100.0	12.8	5.6	3.1	30.5	11.2	.6	1.1	23.3	1.9	9.7
RHODE ISLAND	100.0	.8	3.3	76.6	6.9	.9	.1	1.4	.6	.7	8.6
IDAHO	100.0	8.0	.2	-	1.5	4.2	.7	63.0	.3	*	2.0
MISSISSIPPI	100.0	23.6	8.0	24.9	8.8	4.3	1.3	.2	1.2	26.8	.9
IOWA	100.0	18.9	.2	13.7	37.1	2.3	1.2	16.7	1.1	7.0	4.8
WEST VIRGINIA	100.0	7.8	.3	.5	7.2	8.6	1.8	47.8	2.4	.7	12.8
HAWAII	100.0	5.6	7.3	46.4	12.1	3.6	.1	7.1	.6	5.4	8.9
KENTUCKY	100.0	15.8	.7	20.4	30.7	11.3	3.5	8.1	4.3	.9	4.2
ALASKA	100.0	7.0	19.4	20.6	5.9	28.8	3.6	1.8	.4	6.0	6.5
OKLAHOMA	100.0	13.1	6.4	9.4	24.7	5.8	2.7	17.7	5.2	8.8	6.1
NEW HAMPSHIRE	100.0	5.4	2.3	53.9	28.9	1.4	1.2	.6	.1	2.0	4.6
KANSAS	100.0	10.7	.1	22.4	37.5	2.6	8.1	5.7	1.5	6.9	4.6
VERMONT	100.0	5.1	1.5	61.6	26.7	.9	.2	.1	.8	.1	1.1
MONTANA	100.0	30.4	1.2	4.1	38.0	10.3	.1	7.2	6.1	.1	2.5
SOUTH CAROLINA	100.0	21.3	4.0	5.7	31.6	5.0	2.7	16.0	6.4	1.6	5.8
ARKANSAS	100.0	13.1	.4	1.7	30.3	5.2	6.5	.4	19.6	.8	1.9
NEBRASKA	100.0	32.5	.4	11.0	38.4	4.0	2.2	.7	.9	1.4	8.0
WYOMING	100.0	9.2	.5	.4	2.9	52.4	1.1	36.0	1.1	6.9	9.5
NORTH DAKOTA	100.0	45.5	2.1	.6	7.0	14.2	.6	23.6	.5	.3	1.5
MAINE	100.0	15.2	13.5	9.0	33.6	8.4	7.4	3.2	2.8	*	7.0
DELAWARE	100.0	14.2	8.1	21.4	11.7	6.5	4.9	6.8	2.7	4.5	17.3
SOUTH DAKOTA	100.0	35.3	1.1	2.8	9.6	23.1	6.6	1.7	1.2	13.0	8.6
OUTLYING AREAS	100.0	13.4	2.1	38.5	16.7	10.6	2.3	5.8	-	-	10.7
OFFICES ABROAD	100.0	-	.4	14.8	.1	-	-	17.8	-	64.7	2.3

* PERCENTAGE LESS THAN .05%

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL(1)	EXTRAMURAL					
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITU-TIONS	FFRDCS ADMIN BY NONPROFIT INSTITU-TIONS	STATE AND LOCAL GOVTS
ALL STATES									
TOTAL	18,549,010	5,209,711	8,351,240	683,019	2,366,908	928,098	616,812	206,857	185,765
DEPARTMENT OF AGRICULTURE	413,109	302,533	1,635	-	106,162	-	221	101	457
DEPARTMENT OF COMMERCE	214,974	138,971	33,835	-	21,604	73	8,752	38	11,701
DEPARTMENT OF DEFENSE	9,001,370	2,768,966	5,606,837	1,442	200,383	161,488	115,548	146,699	7
DEPT OF HEALTH, EDUC & WELFARE	2,348,435	436,873	120,249	25,800	1,273,535	4,765	356,669	4,469	106,075
DEPARTMENT OF THE INTERIOR	275,245	184,592	63,766	-	26,737	218	296	239	1,397
DEPARTMENT OF TRANSPORTATION	310,532	58,042	161,911	-	25,843	2,638	5,112	10,322	46,467
ENERGY RESEARCH & DEVELOP ADMIN	2,071,694	66,073	501,588	654,109	131,858	629,518	46,861	38,418	3,269
ENVIRONMENTAL PROTECTION AGENCY	256,444	141,465	51,876	-	33,875	-	13,411	1,602	14,213
NATIONAL AERONAUTICS & SPACE ADMIN	3,061,930	1,042,718	1,791,797	41	106,046	89,255	28,139	1,609	325
NATIONAL SCIENCE FOUNDATION	591,277	49,470	17,744	2,227	434,868	40,143	41,603	3,360	1,854
NEW ENGLAND									
TOTAL	1,051,154	284,551	797,475	4,036	299,706	67,019	149,963	36,208	12,196
DEPARTMENT OF AGRICULTURE	9,349	3,732	21	-	5,200	-	-	-	415
DEPARTMENT OF COMMERCE	17,394	4,089	3,260	-	3,447	-	754	-	844
DEPARTMENT OF DEFENSE	1,130,430	226,690	678,424	-	61,332	66,761	61,180	36,043	-
DEPT OF HEALTH, EDUC & WELFARE	225,452	1,223	19,116	-	127,292	-	69,708	-	8,013
DEPARTMENT OF THE INTERIOR	14,559	3,996	8,638	-	1,636	50	32	-	7
DEPARTMENT OF TRANSPORTATION	53,393	37,768	10,755	-	2,614	-	281	-	1,975
ENERGY RESEARCH & DEVELOP ADMIN	43,402	357	18,059	4,036	20,084	-	735	-	131
ENVIRONMENTAL PROTECTION AGENCY	9,894	293	6,940	-	1,242	-	698	-	721
NATIONAL AERONAUTICS & SPACE ADMIN	73,374	973	49,999	-	12,617	-	9,620	165	-
NATIONAL SCIENCE FOUNDATION	73,907	330	2,080	-	69,244	208	6,955	-	90
CONNECTICUT									
TOTAL	269,935	10,308	196,810	4,036	49,069	-	4,835	-	2,877
DEPARTMENT OF AGRICULTURE	1,960	962	-	-	582	-	-	-	396
DEPARTMENT OF COMMERCE	2,961	1,384	689	-	77	-	143	-	171
DEPARTMENT OF DEFENSE	159,774	5,760	152,064	-	1,776	-	177	-	-
DEPT OF HEALTH, EDUC & WELFARE	41,944	1,220	245	-	36,150	-	2,246	-	1,583
DEPARTMENT OF THE INTERIOR	952	757	50	-	145	-	-	-	-
DEPARTMENT OF TRANSPORTATION	2,198	121	1,578	-	151	-	218	-	375
ENERGY RESEARCH & DEVELOP ADMIN	22,109	-	14,503	4,036	3,434	-	5	-	131
ENVIRONMENTAL PROTECTION AGENCY	1,866	-	1,234	-	141	-	437	-	201
NATIONAL AERONAUTICS & SPACE ADMIN	28,830	196	28,167	-	437	-	30	-	-
NATIONAL SCIENCE FOUNDATION	8,321	-	283	-	6,439	-	1,579	-	20
MAINE									
TOTAL	11,793	2,065	1,691	-	2,890	-	3,387	-	1,760
DEPARTMENT OF AGRICULTURE	1,793	642	-	-	1,136	-	-	-	15
DEPARTMENT OF COMMERCE	1,592	261	999	-	249	-	132	-	186
DEPARTMENT OF DEFENSE	1,057	615	442	-	-	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	3,960	-	201	-	515	-	2,848	-	577
DEPARTMENT OF THE INTERIOR	986	782	-	-	202	-	-	-	2
DEPARTMENT OF TRANSPORTATION	873	-	-	-	-	-	-	-	873
ENERGY RESEARCH & DEVELOP ADMIN	373	-	-	-	212	-	161	-	-
ENVIRONMENTAL PROTECTION AGENCY	333	-	230	-	-	-	-	-	103
NATIONAL AERONAUTICS & SPACE ADMIN	51	-	-	-	-	-	8	-	-
NATIONAL SCIENCE FOUNDATION	821	-	-	-	580	-	241	-	-
MASSACHUSETTS									
TOTAL	1,229,305	229,507	540,992	-	210,004	67,019	133,711	36,208	5,464
DEPARTMENT OF AGRICULTURE	1,555	392	21	-	1,161	-	-	-	-
DEPARTMENT OF COMMERCE	9,618	6,106	1,269	-	1,496	-	429	-	318
DEPARTMENT OF DEFENSE	874,625	182,525	470,731	-	57,643	66,761	60,922	36,043	-
DEPT OF HEALTH, EDUC & WELFARE	156,267	103	18,851	-	75,609	-	57,182	-	4,522
DEPARTMENT OF THE INTERIOR	11,198	1,718	8,690	-	737	50	-	-	3
DEPARTMENT OF TRANSPORTATION	49,772	37,734	9,177	-	2,476	-	63	-	322
ENERGY RESEARCH & DEVELOP ADMIN	19,606	357	3,556	-	15,128	-	565	-	-
ENVIRONMENTAL PROTECTION AGENCY	6,905	293	5,321	-	801	-	261	-	229
NATIONAL AERONAUTICS & SPACE ADMIN	43,327	679	21,598	-	11,300	-	9,585	165	-
NATIONAL SCIENCE FOUNDATION	56,432	-	1,797	-	49,653	208	4,704	-	70
NEW HAMPSHIRE									
TOTAL	33,613	4,244	15,382	-	8,014	-	4,943	-	1,030
DEPARTMENT OF AGRICULTURE	1,815	1,023	-	-	792	-	-	-	-
DEPARTMENT OF COMMERCE	778	10	-	-	690	-	50	-	28
DEPARTMENT OF DEFENSE	18,101	2,594	15,111	-	396	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	5,579	-	-	-	4,096	-	4,881	-	602
DEPARTMENT OF THE INTERIOR	475	265	98	-	110	-	-	-	2
DEPARTMENT OF TRANSPORTATION	388	22	-	-	-	-	-	-	366
ENERGY RESEARCH & DEVELOP ADMIN	215	-	-	-	215	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	32	-	-	-	-	-	-	-	32
NATIONAL AERONAUTICS & SPACE ADMIN	672	-	173	-	499	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,556	330	-	-	1,216	-	12	-	-

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TABLE C-10a. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL[1]	EXTRAMURAL					
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
RHODE ISLAND									
TOTAL	75,008	36,762	21,110	-	14,905	-	2,227	-	504
DEPARTMENT OF AGRICULTURE	632	-	-	-	632	-	-	-	-
DEPARTMENT OF COMMERCE	2,969	1,122	303	-	917	-	-	-	147
DEPARTMENT OF DEFENSE	57,479	35,196	20,721	-	1,481	-	81	-	-
DEPT OF HEALTH, EDUC & WELFARE	5,175	-	-	-	2,904	-	1,971	-	300
DEPARTMENT OF THE INTERIOR	673	346	-	-	327	-	-	-	-
DEPARTMENT OF TRANSPORTATION	961	-	-	-	791	-	-	-	17
ENERGY RESEARCH & DEVELOP ADMIN	1,075	-	-	-	1,071	-	4	-	-
ENVIRONMENTAL PROTECTION AGENCY	474	-	25	-	389	-	-	-	60
NATIONAL AERONAUTICS & SPACE ADMIN	518	98	61	-	359	-	-	-	-
NATIONAL SCIENCE FOUNDATION	6,417	-	-	-	6,246	-	171	-	-
VERMONT									
TOTAL	31,500	1,265	19,488	-	9,326	-	860	-	561
DEPARTMENT OF AGRICULTURE	1,594	693	-	-	901	-	-	-	-
DEPARTMENT OF COMMERCE	476	444	-	-	18	-	-	-	14
DEPARTMENT OF DEFENSE	19,394	-	19,388	-	36	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	9,027	-	-	-	8,018	-	580	-	429
DEPARTMENT OF THE INTERIOR	275	128	-	-	115	-	32	-	-
DEPARTMENT OF TRANSPORTATION	66	-	-	-	44	-	-	-	22
ENERGY RESEARCH & DEVELOP ADMIN	24	-	-	-	24	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	264	-	100	-	36	-	-	-	96
NATIONAL AERONAUTICS & SPACE ADMIN	22	-	-	-	22	-	-	-	-
NATIONAL SCIENCE FOUNDATION	358	-	-	-	110	-	248	-	-
MIDDLE ATLANTIC									
TOTAL	2,276,932	335,695	1,060,028	175,816	429,476	102,623	137,392	-	35,902
DEPARTMENT OF AGRICULTURE	26,522	18,101	557	-	7,819	-	28	-	17
DEPARTMENT OF COMMERCE	20,515	8,722	7,489	-	1,994	-	1,240	-	1,120
DEPARTMENT OF DEFENSE	1,044,578	265,457	730,544	-	23,511	10,531	8,535	-	-
DEPT OF HEALTH, EDUC & WELFARE	402,383	797	11,635	-	268,316	1,952	93,087	-	27,496
DEPARTMENT OF THE INTERIOR	41,409	19,649	18,364	-	3,152	-	-	-	43
DEPARTMENT OF TRANSPORTATION	48,552	2,085	36,544	-	9,713	-	312	-	3,931
ENERGY RESEARCH & DEVELOP ADMIN	462,431	15,399	144,160	175,816	21,586	84,056	22,406	-	8
ENVIRONMENTAL PROTECTION AGENCY	13,268	895	8,730	-	3,748	-	1,983	-	2,912
NATIONAL AERONAUTICS & SPACE ADMIN	116,961	4,590	99,614	-	12,022	-	715	-	-
NATIONAL SCIENCE FOUNDATION	99,333	-	2,224	-	81,664	984	9,086	-	375
NEW JERSEY									
TOTAL	442,175	124,021	248,399	-	35,790	23,265	5,403	-	4,697
DEPARTMENT OF AGRICULTURE	2,302	542	334	-	1,414	-	-	-	12
DEPARTMENT OF COMMERCE	8,044	5,563	1,504	-	534	-	50	-	389
DEPARTMENT OF DEFENSE	300,499	114,994	181,746	-	3,678	-	76	-	-
DEPT OF HEALTH, EDUC & WELFARE	25,506	401	6,839	-	13,799	-	3,026	-	4,802
DEPARTMENT OF THE INTERIOR	5,281	1,648	3,357	-	273	-	-	-	3
DEPARTMENT OF TRANSPORTATION	6,908	472	3,219	-	1,345	-	-	-	1,872
ENERGY RESEARCH & DEVELOP ADMIN	42,030	969	15,683	-	2,012	23,265	101	-	-
ENVIRONMENTAL PROTECTION AGENCY	4,710	-	3,542	-	251	-	302	-	615
NATIONAL AERONAUTICS & SPACE ADMIN	34,161	393	31,092	-	2,676	-	-	-	-
NATIONAL SCIENCE FOUNDATION	12,739	-	1,085	-	9,806	-	1,848	-	-
NEW YORK									
TOTAL	1,055,560	89,343	450,177	79,040	267,786	72,967	74,807	-	25,334
DEPARTMENT OF AGRICULTURE	11,420	8,036	75	-	3,270	-	28	-	9
DEPARTMENT OF COMMERCE	11,825	3,040	5,834	-	1,340	-	942	-	663
DEPARTMENT OF DEFENSE	426,692	64,995	371,706	-	12,555	9,640	7,796	-	-
DEPT OF HEALTH, EDUC & WELFARE	262,659	752	3,073	-	176,778	1,052	58,231	-	22,369
DEPARTMENT OF THE INTERIOR	8,312	3,954	1,504	-	779	-	-	-	35
DEPARTMENT OF TRANSPORTATION	21,725	717	18,933	-	1,005	-	3	-	1,067
ENERGY RESEARCH & DEVELOP ADMIN	165,538	5,895	7,440	79,040	13,011	60,791	795	-	-
ENVIRONMENTAL PROTECTION AGENCY	6,363	118	2,093	-	2,342	-	980	-	830
NATIONAL AERONAUTICS & SPACE ADMIN	90,509	3,796	39,161	-	8,992	-	560	-	-
NATIONAL SCIENCE FOUNDATION	56,921	-	358	-	49,702	984	5,512	-	365
PENNSYLVANIA									
TOTAL	775,197	121,731	361,452	98,170	125,900	6,891	57,182	-	5,871
DEPARTMENT OF AGRICULTURE	12,803	9,223	148	-	3,429	-	-	-	-
DEPARTMENT OF COMMERCE	696	119	149	-	62	-	248	-	68
DEPARTMENT OF DEFENSE	277,392	85,468	177,692	-	7,278	6,891	663	-	-
DEPT OF HEALTH, EDUC & WELFARE	114,642	91	1,723	-	77,739	-	31,830	-	3,325
DEPARTMENT OF THE INTERIOR	49,810	14,007	13,703	-	2,101	-	-	-	9
DEPARTMENT OF TRANSPORTATION	19,919	896	14,363	-	3,893	-	309	-	988
ENERGY RESEARCH & DEVELOP ADMIN	255,863	10,535	121,037	98,170	6,563	-	21,550	-	8
ENVIRONMENTAL PROTECTION AGENCY	7,195	771	3,095	-	1,155	-	701	-	1,467
NATIONAL AERONAUTICS & SPACE ADMIN	32,271	401	29,361	-	2,354	-	155	-	-
NATIONAL SCIENCE FOUNDATION	24,673	-	781	-	22,156	-	1,726	-	10

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL(1)	EXTRAMURAL					
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
EAST NORTH CENTRAL									
TOTAL	1,377,005	405,078	398,033	7,058	336,190	142,328	70,706	-	17,612
DEPARTMENT OF AGRICULTURE	41,990	28,858	40	-	13,092	-	-	-	-
DEPARTMENT OF COMMERCE	9,856	3,202	3,026	-	2,242	-	788	-	597
DEPARTMENT OF DEFENSE	591,619	245,556	311,936	-	24,921	425	8,781	-	-
DEPT OF HEALTH, EDUC & WELFARE	237,649	9,119	9,049	-	174,996	432	33,572	-	10,481
DEPARTMENT OF THE INTERIOR	14,181	7,660	4,744	-	1,613	138	-	-	26
DEPARTMENT OF TRANSPORTATION	22,621	2,563	5,485	-	3,850	-	2,048	-	4,675
ENERGY RESEARCH & DEVELOP ADMIN	212,422	4,223	25,135	7,058	22,436	141,233	12,337	-	-
ENVIRONMENTAL PROTECTION AGENCY	32,849	17,400	4,760	-	5,982	-	3,064	-	1,643
NATIONAL AERONAUTICS & SPACE ADMIN	133,678	86,487	29,830	-	12,671	65	4,493	-	132
NATIONAL SCIENCE FOUNDATION	80,140	101	281	-	74,386	35	5,623	-	58
ILLINOIS									
TOTAL	371,551	50,456	38,566	-	109,548	142,328	27,577	-	3,074
DEPARTMENT OF AGRICULTURE	14,829	14,232	81	-	2,589	-	-	-	-
DEPARTMENT OF COMMERCE	2,081	587	590	-	701	-	716	-	116
DEPARTMENT OF DEFENSE	63,986	30,862	22,192	-	7,936	425	2,551	-	-
DEPT OF HEALTH, EDUC & WELFARE	70,080	131	1,305	-	52,382	432	14,218	-	1,710
DEPARTMENT OF THE INTERIOR	2,622	1,361	1,730	-	391	138	-	-	-
DEPARTMENT OF TRANSPORTATION	6,463	134	2,834	-	1,632	-	960	-	905
ENERGY RESEARCH & DEVELOP ADMIN	165,747	2,678	7,638	-	8,560	141,233	5,638	-	-
ENVIRONMENTAL PROTECTION AGENCY	4,330	836	221	-	1,229	-	1,701	-	343
NATIONAL AERONAUTICS & SPACE ADMIN	8,624	1,733	2,026	-	4,355	65	455	-	-
NATIONAL SCIENCE FOUNDATION	31,799	-	26	-	30,402	35	1,336	-	-
INDIANA									
TOTAL	92,795	17,574	29,543	-	39,595	-	1,375	-	4,708
DEPARTMENT OF AGRICULTURE	3,498	1,151	-	-	2,347	-	-	-	-
DEPARTMENT OF COMMERCE	1,547	311	1,333	-	118	-	-	-	65
DEPARTMENT OF DEFENSE	42,454	14,391	25,140	-	2,915	-	8	-	-
DEPT OF HEALTH, EDUC & WELFARE	20,821	21	466	-	15,111	-	1,297	-	3,945
DEPARTMENT OF THE INTERIOR	1,248	708	205	-	332	-	-	-	3
DEPARTMENT OF TRANSPORTATION	1,383	593	159	-	146	-	-	-	695
ENERGY RESEARCH & DEVELOP ADMIN	2,822	-	-	-	2,822	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	440	-	-	-	417	-	23	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	5,793	698	2,240	-	2,655	-	-	-	-
NATIONAL SCIENCE FOUNDATION	12,779	-	-	-	12,732	-	47	-	-
MICHIGAN									
TOTAL	248,145	34,479	132,914	-	65,981	-	11,027	-	3,744
DEPARTMENT OF AGRICULTURE	5,656	2,915	30	-	2,711	-	-	-	-
DEPARTMENT OF COMMERCE	4,612	2,487	1,051	-	811	-	50	-	213
DEPARTMENT OF DEFENSE	132,752	22,800	105,520	-	3,431	-	1,001	-	-
DEPT OF HEALTH, EDUC & WELFARE	46,959	151	4,287	-	35,446	-	5,191	-	2,020
DEPARTMENT OF THE INTERIOR	3,622	2,427	841	-	339	-	-	-	15
DEPARTMENT OF TRANSPORTATION	5,200	-	3,592	-	1,002	-	-	-	606
ENERGY RESEARCH & DEVELOP ADMIN	16,784	-	12,362	-	4,422	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	8,639	3,694	2,312	-	1,355	-	221	-	877
NATIONAL AERONAUTICS & SPACE ADMIN	6,832	491	2,919	-	2,159	-	1,613	-	-
NATIONAL SCIENCE FOUNDATION	17,089	-	-	-	49,125	-	2,951	-	13
OHIO									
TOTAL	585,522	291,218	193,860	7,058	60,343	-	28,570	-	4,393
DEPARTMENT OF AGRICULTURE	6,089	3,105	21	-	2,982	-	-	-	-
DEPARTMENT OF COMMERCE	214	21	43	-	78	-	15	-	75
DEPARTMENT OF DEFENSE	348,498	177,409	157,776	-	8,135	-	5,178	-	-
DEPT OF HEALTH, EDUC & WELFARE	57,611	9,085	1,729	-	34,123	-	10,966	-	1,708
DEPARTMENT OF THE INTERIOR	3,685	1,577	1,824	-	271	-	-	-	3
DEPARTMENT OF TRANSPORTATION	9,276	2,036	2,902	-	944	-	1,088	-	2,306
ENERGY RESEARCH & DEVELOP ADMIN	22,304	1,508	5,135	7,058	1,902	-	6,699	-	-
ENVIRONMENTAL PROTECTION AGENCY	17,529	12,870	2,034	-	1,566	-	910	-	169
NATIONAL AERONAUTICS & SPACE ADMIN	110,312	83,715	22,413	-	1,627	-	2,425	-	132
NATIONAL SCIENCE FOUNDATION	10,006	101	21	-	8,705	-	1,289	-	-
WISCONSIN									
TOTAL	78,992	11,251	3,146	-	60,743	-	2,157	-	1,693
DEPARTMENT OF AGRICULTURE	11,918	9,455	-	-	2,463	-	-	-	-
DEPARTMENT OF COMMERCE	1,402	94	91	-	1,166	-	5	-	128
DEPARTMENT OF DEFENSE	3,929	74	1,308	-	2,504	-	43	-	-
DEPT OF HEALTH, EDUC & WELFARE	44,198	41	1,202	-	37,934	-	1,900	-	4,098
DEPARTMENT OF THE INTERIOR	2,009	1,587	144	-	268	-	-	-	5
DEPARTMENT OF TRANSPORTATION	289	-	-	-	126	-	-	-	163
ENERGY RESEARCH & DEVELOP ADMIN	4,767	37	-	-	4,730	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,911	-	193	-	1,255	-	209	-	254
NATIONAL AERONAUTICS & SPACE ADMIN	2,107	-	232	-	1,875	-	-	-	-
NATIONAL SCIENCE FOUNDATION	8,467	-	-	-	8,422	-	-	-	45

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
WEST NORTH CENTRAL									
TOTAL	571,524	54,373	325,332	-	148,446	7,774	24,630	-	10,969
DEPARTMENT OF AGRICULTURE	39,188	25,547	182	-	13,444	-	-	-	15
DEPARTMENT OF COMMERCE	1,027	92	209	-	91	-	225	-	410
DEPARTMENT OF DEFENSE	310,251	10,523	255,859	-	3,163	-	706	-	-
DEPT OF HEALTH, EDUC & WELFARE	125,268	1,600	371	-	97,035	-	21,481	-	4,691
DEPARTMENT OF THE INTERIOR	19,216	13,940	1,768	-	3,782	-	-	-	126
DEPARTMENT OF TRANSPORTATION	12,984	-	7,883	-	636	-	51	-	4,415
ENERGY RESEARCH & DEVELOP ADMIN	18,154	1,414	3,782	-	2,219	-	1,183	-	1,264
ENVIRONMENTAL PROTECTION AGENCY	8,178	82	3,425	-	2,219	-	1,183	-	1,264
NATIONAL AERONAUTICS & SPACE ADMIN	21,266	1,515	11,830	-	7,588	124	209	-	-
NATIONAL SCIENCE FOUNDATION	16,022	-	20	-	15,178	-	775	-	43
IOWA									
TOTAL	47,453	7,729	6,691	-	23,568	7,774	223	-	1,468
DEPARTMENT OF AGRICULTURE	8,959	6,371	-	-	2,588	-	-	-	-
DEPARTMENT OF COMMERCE	74	3	23	-	33	-	-	-	15
DEPARTMENT OF DEFENSE	6,564	50	5,809	-	665	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	16,196	479	-	-	14,604	-	193	-	922
DEPARTMENT OF THE INTERIOR	1,073	582	122	-	366	-	-	-	3
DEPARTMENT OF TRANSPORTATION	558	-	-	-	132	-	-	-	426
ENERGY RESEARCH & DEVELOP ADMIN	7,906	-	-	-	256	7,650	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	545	-	-	-	443	-	-	-	102
NATIONAL AERONAUTICS & SPACE ADMIN	3,350	246	737	-	2,195	124	30	-	-
NATIONAL SCIENCE FOUNDATION	2,286	-	-	-	2,286	-	-	-	-
KANSAS									
TOTAL	32,876	3,795	11,142	-	15,857	-	596	-	1,486
DEPARTMENT OF AGRICULTURE	3,524	1,901	-	-	1,623	-	-	-	-
DEPARTMENT OF COMMERCE	311	161	-	-	-	-	-	-	15
DEPARTMENT OF DEFENSE	7,348	101	7,056	-	191	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	12,323	1,126	-	-	9,916	-	526	-	745
DEPARTMENT OF THE INTERIOR	867	553	-	-	289	-	-	-	25
DEPARTMENT OF TRANSPORTATION	2,652	-	1,921	-	301	-	-	-	701
ENERGY RESEARCH & DEVELOP ADMIN	1,867	-	1,473	-	394	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	484	-	465	-	247	-	12	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,255	98	467	-	1,693	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,525	-	-	-	1,477	-	48	-	-
MINNESOTA									
TOTAL	123,122	9,775	54,306	-	41,054	-	15,454	-	2,535
DEPARTMENT OF AGRICULTURE	6,613	4,077	182	-	2,339	-	-	-	15
DEPARTMENT OF COMMERCE	891	281	261	-	-	-	20	-	15
DEPARTMENT OF DEFENSE	36,672	671	35,812	-	786	-	7	-	-
DEPT OF HEALTH, EDUC & WELFARE	45,234	441	371	-	28,906	-	14,709	-	1,204
DEPARTMENT OF THE INTERIOR	6,609	5,461	446	-	665	-	-	-	37
DEPARTMENT OF TRANSPORTATION	5,718	-	5,484	-	56	-	-	-	178
ENERGY RESEARCH & DEVELOP ADMIN	4,444	-	2,309	-	2,135	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	2,814	-	712	-	782	-	234	-	1,086
NATIONAL AERONAUTICS & SPACE ADMIN	11,047	98	8,936	-	1,834	-	179	-	-
NATIONAL SCIENCE FOUNDATION	3,882	-	26	-	3,551	-	305	-	-
MISSOURI									
TOTAL	329,125	17,174	251,040	-	49,861	-	7,742	-	3,308
DEPARTMENT OF AGRICULTURE	5,117	2,214	-	-	2,903	-	-	-	-
DEPARTMENT OF COMMERCE	628	351	136	-	-	-	100	-	157
DEPARTMENT OF DEFENSE	257,238	10,477	245,076	-	1,284	-	699	-	-
DEPT OF HEALTH, EDUC & WELFARE	42,310	-	-	-	35,642	-	5,733	-	935
DEPARTMENT OF THE INTERIOR	6,617	4,022	1,200	-	1,392	-	-	-	3
DEPARTMENT OF TRANSPORTATION	3,121	-	475	-	420	-	51	-	2,175
ENERGY RESEARCH & DEVELOP ADMIN	709	-	-	-	709	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	4,020	82	2,488	-	681	-	737	-	38
NATIONAL AERONAUTICS & SPACE ADMIN	3,678	644	1,663	-	1,271	-	422	-	-
NATIONAL SCIENCE FOUNDATION	5,881	-	-	-	5,459	-	-	-	-
NEBRASKA									
TOTAL	19,996	5,467	2,024	-	11,382	-	302	-	823
DEPARTMENT OF AGRICULTURE	6,509	4,848	-	-	1,661	-	-	-	-
DEPARTMENT OF COMMERCE	731	101	-	-	-	-	-	-	69
DEPARTMENT OF DEFENSE	2,192	106	2,013	-	73	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	7,676	31	-	-	7,222	-	150	-	301
DEPARTMENT OF THE INTERIOR	791	500	-	-	286	-	-	-	5
DEPARTMENT OF TRANSPORTATION	434	-	-	-	-	-	-	-	434
ENERGY RESEARCH & DEVELOP ADMIN	149	-	-	-	149	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	172	-	-	-	-	-	152	-	20
NATIONAL AERONAUTICS & SPACE ADMIN	283	-	11	-	272	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,719	-	-	-	1,719	-	-	-	-

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL[1]	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
NORTH DAKOTA									
TOTAL	12,567	7,805	-	-	4,221	-	216	-	525
DEPARTMENT OF AGRICULTURE	6,215	5,064	-	-	1,151	-	-	-	-
DEPARTMENT OF COMMERCE	261	-	-	-	58	-	105	-	98
DEPARTMENT OF DEFENSE	100	-	-	-	100	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	882	81	-	-	509	-	70	-	295
DEPARTMENT OF THE INTERIOR	1,786	1,286	-	-	490	-	-	-	10
DEPARTMENT OF TRANSPORTATION	79	-	-	-	-	-	-	-	79
ENERGY RESEARCH & DEVELOP ADMIN	2,970	1,414	-	-	1,556	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	58	-	-	-	17	-	41	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	33	33	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	183	-	-	-	140	-	-	-	43
SOUTH DAKOTA									
TOTAL	6,383	2,628	131	-	2,703	-	97	-	824
DEPARTMENT OF AGRICULTURE	2,251	1,072	-	-	1,179	-	-	-	-
DEPARTMENT OF COMMERCE	69	-	24	-	-	-	-	-	45
DEPARTMENT OF DEFENSE	177	22	91	-	64	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	615	-	-	-	236	-	90	-	289
DEPARTMENT OF THE INTERIOR	1,473	1,136	-	-	294	-	-	-	43
DEPARTMENT OF TRANSPORTATION	424	-	-	-	-	-	-	-	424
ENERGY RESEARCH & DEVELOP ADMIN	109	-	-	-	109	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	79	-	-	-	49	-	7	-	23
NATIONAL AERONAUTICS & SPACE ADMIN	640	398	16	-	226	-	-	-	-
NATIONAL SCIENCE FOUNDATION	546	-	-	-	546	-	-	-	-
SOUTH ATLANTIC									
TOTAL	3,992,175	2,358,679	1,122,401	28,582	302,460	79,492	62,099	31,017	27,465
DEPARTMENT OF AGRICULTURE	133,467	112,598	102	-	20,759	-	17	-	-
DEPARTMENT OF COMMERCE	92,451	73,100	9,721	-	4,239	-	2,193	-	3,178
DEPARTMENT OF DEFENSE	1,888,666	1,087,813	667,833	-	17,604	69,651	8,383	17,398	7
DEPT OF HEALTH, EDUC & WELFARE	734,806	415,611	69,018	25,800	178,726	601	31,623	1,724	12,242
DEPARTMENT OF THE INTERIOR	49,003	37,189	7,124	-	3,988	-	86	125	493
DEPARTMENT OF TRANSPORTATION	80,275	10,603	45,232	-	3,066	1,937	427	10,322	8,668
ENERGY RESEARCH & DEVELOP ADMIN	75,263	20,213	35,401	2,762	13,896	1,349	1,180	257	402
ENVIRONMENTAL PROTECTION AGENCY	91,614	74,292	6,814	-	5,880	-	1,680	751	2,197
NATIONAL AERONAUTICS & SPACE ADMIN	772,507	475,848	276,227	-	13,359	124	6,806	-	143
NATIONAL SCIENCE FOUNDATION	94,124	31,415	4,929	-	41,150	6,351	9,704	440	135
DELAWARE									
TOTAL	9,969	980	1,411	-	5,308	-	1,342	-	928
DEPARTMENT OF AGRICULTURE	1,419	482	-	-	937	-	-	-	-
DEPARTMENT OF COMMERCE	803	109	-	-	609	-	70	-	15
DEPARTMENT OF DEFENSE	2,132	-	851	-	315	-	966	-	-
DEPT OF HEALTH, EDUC & WELFARE	1,165	-	-	-	493	-	249	-	423
DEPARTMENT OF THE INTERIOR	648	189	128	-	131	-	-	-	-
DEPARTMENT OF TRANSPORTATION	490	-	-	-	-	-	-	-	490
ENERGY RESEARCH & DEVELOP ADMIN	873	-	-	-	873	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	267	-	111	-	156	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	450	-	321	-	129	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,722	-	-	-	1,665	-	57	-	-
DISTRICT OF COLUMBIA									
TOTAL	561,310	421,307	98,921	-	27,759	1,349	29,447	1,724	2,803
DEPARTMENT OF AGRICULTURE	44,106	43,999	61	-	101	-	-	-	-
DEPARTMENT OF COMMERCE	8,947	7,058	675	-	138	-	876	-	200
DEPARTMENT OF DEFENSE	241,331	169,132	67,963	-	2,333	-	1,383	-	-
DEPT OF HEALTH, EDUC & WELFARE	75,869	37,167	4,071	-	19,231	-	12,882	1,724	794
DEPARTMENT OF THE INTERIOR	9,397	6,989	1,492	-	580	-	-	-	336
DEPARTMENT OF TRANSPORTATION	15,634	6,935	6,980	-	955	-	338	-	946
ENERGY RESEARCH & DEVELOP ADMIN	15,323	8,751	8,690	-	172	1,349	361	-	-
ENVIRONMENTAL PROTECTION AGENCY	38,352	36,177	1,200	-	140	-	413	-	422
NATIONAL AERONAUTICS & SPACE ADMIN	88,317	76,312	4,692	-	1,793	-	5,520	-	-
NATIONAL SCIENCE FOUNDATION	40,334	28,787	1,132	-	2,636	-	7,674	-	105
FLORIDA									
TOTAL	796,960	415,915	321,926	-	49,846	-	3,743	-	5,530
DEPARTMENT OF AGRICULTURE	10,044	7,703	-	-	2,341	-	-	-	-
DEPARTMENT OF COMMERCE	14,662	10,891	1,774	-	1,639	-	93	-	285
DEPARTMENT OF DEFENSE	467,481	252,478	210,670	-	4,308	-	25	-	-
DEPT OF HEALTH, EDUC & WELFARE	32,612	-	1,837	-	25,064	-	3,200	-	2,511
DEPARTMENT OF THE INTERIOR	3,954	3,465	-	-	467	-	-	-	22
DEPARTMENT OF TRANSPORTATION	4,622	202	1,522	-	323	-	-	-	2,575
ENERGY RESEARCH & DEVELOP ADMIN	2,608	-	431	-	2,177	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,727	-	305	-	1,024	-	261	-	137
NATIONAL AERONAUTICS & SPACE ADMIN	247,970	141,176	105,387	-	1,365	-	42	-	-
NATIONAL SCIENCE FOUNDATION	11,260	-	-	-	11,138	-	122	-	-

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL(1)	EXTRAMURAL						
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITU-TIONS	FFRDCS ADMIN BY NONPROFIT INSTITU-TIONS	STATE AND LOCAL GOVTS
GEORGIA									
TOTAL	80,860	29,681	11,065	-	36,016	-	1,484	-	2,612
DEPARTMENT OF AGRICULTURE	10,863	13,432	-	-	3,431	-	-	-	-
DEPARTMENT OF COMMERCE	1,471	291	186	-	449	-	583	-	224
DEPARTMENT OF DEFENSE	11,992	1,642	7,540	-	2,810	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	30,242	9,739	689	-	17,589	-	765	-	1,460
DEPARTMENT OF THE INTERIOR	2,299	1,589	47	-	574	-	86	-	3
DEPARTMENT OF TRANSPORTATION	1,502	-	-	-	740	-	-	-	762
ENERGY RESEARCH & DEVELOP ADMIN	3,027	-	-	-	3,027	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,154	535	14	-	424	-	50	-	133
NATIONAL AERONAUTICS & SPACE ADMIN	6,784	2,715	2,501	-	1,568	-	-	-	-
NATIONAL SCIENCE FOUNDATION	5,926	-	90	-	5,406	-	-	-	30
MARYLAND									
TOTAL	1,609,292	1,027,076	395,874	23,800	72,187	72,065	11,678	-	6,652
DEPARTMENT OF AGRICULTURE	39,695	37,679	81	-	1,935	-	-	-	-
DEPARTMENT OF COMMERCE	57,007	52,772	2,502	-	654	-	408	-	671
DEPARTMENT OF DEFENSE	672,050	421,714	174,698	-	3,460	69,651	2,520	-	7
DEPT OF HEALTH, EDUC & WELFARE	483,222	356,868	41,839	23,800	49,618	60	7,167	-	1,870
DEPARTMENT OF THE INTERIOR	7,632	6,800	814	-	216	-	-	-	2
DEPARTMENT OF TRANSPORTATION	36,113	2,332	29,991	-	548	1,957	-	-	1,285
ENERGY RESEARCH & DEVELOP ADMIN	16,477	9,636	7,386	-	3,629	-	754	-	72
ENVIRONMENTAL PROTECTION AGENCY	13,399	11,183	1,236	-	338	-	40	-	602
NATIONAL AERONAUTICS & SPACE ADMIN	249,628	130,672	135,573	-	3,176	29	35	-	143
NATIONAL SCIENCE FOUNDATION	14,069	2,420	1,954	-	8,613	328	754	-	-
NORTH CAROLINA									
TOTAL	117,160	44,810	4,489	-	60,637	-	5,534	-	1,690
DEPARTMENT OF AGRICULTURE	8,783	4,167	15	-	4,601	-	-	-	-
DEPARTMENT OF COMMERCE	2,206	1,273	338	-	518	-	-	-	77
DEPARTMENT OF DEFENSE	11,733	7,196	2,101	-	2,430	-	6	-	-
DEPT OF HEALTH, EDUC & WELFARE	56,245	8,487	859	-	42,120	-	3,401	-	1,378
DEPARTMENT OF THE INTERIOR	2,627	1,684	563	-	377	-	-	-	3
DEPARTMENT OF TRANSPORTATION	627	41	68	-	513	-	-	-	42
ENERGY RESEARCH & DEVELOP ADMIN	1,605	271	-	-	1,334	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	24,701	21,659	147	-	1,930	-	805	-	190
NATIONAL AERONAUTICS & SPACE ADMIN	1,956	69	398	-	664	-	825	-	-
NATIONAL SCIENCE FOUNDATION	6,677	-	-	-	6,180	-	497	-	-
SOUTH CAROLINA									
TOTAL	24,533	4,983	831	2,762	12,501	-	108	-	3,348
DEPARTMENT OF AGRICULTURE	5,226	2,530	-	-	2,696	-	-	-	-
DEPARTMENT OF COMMERCE	974	-	-	-	186	-	-	-	788
DEPARTMENT OF DEFENSE	1,387	1,015	80	-	292	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	7,745	-	-	-	5,607	-	58	-	1,880
DEPARTMENT OF THE INTERIOR	1,215	995	-	-	217	-	-	-	3
DEPARTMENT OF TRANSPORTATION	663	-	-	-	111	-	-	-	552
ENERGY RESEARCH & DEVELOP ADMIN	3,923	443	515	2,762	203	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,565	-	112	-	1,278	-	50	-	125
NATIONAL AERONAUTICS & SPACE ADMIN	402	-	124	-	278	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,433	-	-	-	1,433	-	-	-	-
VIRGINIA									
TOTAL	726,095	381,149	271,704	-	32,096	549	7,142	29,293	4,162
DEPARTMENT OF AGRICULTURE	3,732	498	-	-	3,217	-	17	-	-
DEPARTMENT OF COMMERCE	6,189	946	4,246	-	8	-	163	-	826
DEPARTMENT OF DEFENSE	486,629	234,633	203,772	-	1,353	-	3,483	17,398	-
DEPT OF HEALTH, EDUC & WELFARE	39,784	51	19,719	-	16,476	-	2,352	-	1,232
DEPARTMENT OF THE INTERIOR	17,297	13,495	3,032	-	583	-	-	125	62
DEPARTMENT OF TRANSPORTATION	19,784	1,130	6,671	-	143	-	89	10,322	1,429
ENERGY RESEARCH & DEVELOP ADMIN	5,419	690	2,229	-	2,003	-	65	257	175
ENVIRONMENTAL PROTECTION AGENCY	9,351	4,738	3,066	-	277	-	61	751	438
NATIONAL AERONAUTICS & SPACE ADMIN	126,886	124,806	27,196	-	4,277	95	312	-	-
NATIONAL SCIENCE FOUNDATION	7,214	208	1,753	-	3,759	454	600	440	-
WEST VIRGINIA									
TOTAL	45,996	12,778	18,180	-	6,198	9,569	1,621	-	1,740
DEPARTMENT OF AGRICULTURE	3,599	2,108	-	-	1,491	-	-	-	-
DEPARTMENT OF COMMERCE	152	24	-	-	38	-	-	-	92
DEPARTMENT OF DEFENSE	241	-	138	-	103	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	7,922	3,349	41	-	2,330	-	1,549	-	694
DEPARTMENT OF THE INTERIOR	3,936	1,783	1,248	-	843	-	-	-	62
DEPARTMENT OF TRANSPORTATION	860	-	-	-	453	-	-	-	587
ENERGY RESEARCH & DEVELOP ADMIN	22,005	5,422	16,153	-	278	-	-	-	155
ENVIRONMENTAL PROTECTION AGENCY	1,098	-	605	-	343	-	-	-	150
NATIONAL AERONAUTICS & SPACE ADMIN	314	98	35	-	109	-	72	-	-
NATIONAL SCIENCE FOUNDATION	5,869	-	-	-	3201	5,569	-	-	-

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
EAST SOUTH CENTRAL TOTAL	770,620	321,553	230,342	113,268	86,328	3,431	9,901	-	5,797
DEPARTMENT OF AGRICULTURE	48,717	14,172	301	-	14,519	-1	-	-	-
DEPARTMENT OF COMMERCE	6,503	4,257	738	-	523	-1	380	-	605
DEPARTMENT OF DEFENSE	219,309	115,316	100,783	776	1,907	401	487	-	-
DEPT OF HEALTH, EDUC & WELFARE	71,454	9,160	356	-	50,177	769	7,692	-	3,301
DEPARTMENT OF THE INTERIOR	11,613	7,926	1,713	-	898	-1	-	-	76
DEPARTMENT OF TRANSPORTATION	4,266	1,394	1,257	-	238	-1	-	-	1,377
ENERGY RESEARCH & DEVELOP ADMIN	177,263	3,708	52,966	110,265	4,959	2,462	403	-	-
ENVIRONMENTAL PROTECTION AGENCY	16,855	13,424	1,499	-	1,403	-1	464	-	65
NATIONAL AERONAUTICS & SPACE ADMIN	223,033	152,171	67,004	-	3,547	-1	311	-	-
NATIONAL SCIENCE FOUNDATION	11,619	29	-1	2,227	6,661	160	164	-	373
ALABAMA TOTAL	363,319	240,266	84,700	-	26,326	-1	4,621	-	1,406
DEPARTMENT OF AGRICULTURE	5,275	1,442	28	-	3,805	-1	-	-	-
DEPARTMENT OF COMMERCE	1,129	-1	602	-	42	-1	100	-	385
DEPARTMENT OF DEFENSE	122,492	92,566	28,814	-	661	-1	451	-	-
DEPT OF HEALTH, EDUC & WELFARE	21,434	44	181	-	16,854	-1	3,457	-	898
DEPARTMENT OF THE INTERIOR	3,231	2,153	790	-	233	-1	-	-	55
DEPARTMENT OF TRANSPORTATION	2,000	675	1,257	-	-1	-1	-	-	68
ENERGY RESEARCH & DEVELOP ADMIN	974	850	-1	-	124	-1	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,176	246	108	-	401	-1	421	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	203,074	148,290	52,520	-	1,672	-1	192	-	-
NATIONAL SCIENCE FOUNDATION	2,534	-1	-1	-	2,534	-1	-	-	-
KENTUCKY TOTAL	35,020	12,461	6,384	-	12,599	-1	1,130	-	2,446
DEPARTMENT OF AGRICULTURE	5,534	1,370	-1	-	4,164	-1	-	-	-
DEPARTMENT OF COMMERCE	262	-1	21	-	-1	-1	180	-	80
DEPARTMENT OF DEFENSE	7,147	6,499	323	-	320	-1	5	-	-
DEPT OF HEALTH, EDUC & WELFARE	10,752	4,709	-1	-	6,465	-1	777	-	801
DEPARTMENT OF THE INTERIOR	3,964	1,883	1,872	-	191	-1	-	-	18
DEPARTMENT OF TRANSPORTATION	1,225	-1	-1	-	116	-1	-	-	1,109
ENERGY RESEARCH & DEVELOP ADMIN	2,847	-1	2,847	-	-1	-1	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,512	-1	1,325	-	101	-1	21	-	65
NATIONAL AERONAUTICS & SPACE ADMIN	323	-1	15	-	308	-1	-	-	-
NATIONAL SCIENCE FOUNDATION	1,454	-1	-1	-	934	-1	147	-	373
MISSISSIPPI TOTAL	57,043	33,827	12,512	-	10,422	-1	265	-	817
DEPARTMENT OF AGRICULTURE	13,652	10,273	-1	-	3,379	-1	-	-	-
DEPARTMENT OF COMMERCE	4,647	4,013	134	-	385	-1	-	-	115
DEPARTMENT OF DEFENSE	14,375	14,008	65	-	302	-1	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	5,097	-1	-1	-	4,337	-1	101	-	659
DEPARTMENT OF THE INTERIOR	2,477	2,310	-1	-	164	-1	-	-	3
DEPARTMENT OF TRANSPORTATION	759	719	-1	-	-1	-1	-	-	40
ENERGY RESEARCH & DEVELOP ADMIN	102	53	-1	-	26	-1	23	-	-
ENVIRONMENTAL PROTECTION AGENCY	714	-1	-1	-	692	-1	22	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	15,521	2,451	12,313	-	638	-1	119	-	-
NATIONAL SCIENCE FOUNDATION	499	-1	-1	-	499	-1	-	-	-
TENNESSEE TOTAL	314,438	28,999	126,746	113,268	36,981	3,431	3,885	-	1,128
DEPARTMENT OF AGRICULTURE	4,256	1,087	2	-	3,167	-1	-	-	-
DEPARTMENT OF COMMERCE	465	244	-1	-	96	-1	100	-	25
DEPARTMENT OF DEFENSE	75,495	2,243	71,581	776	624	40	31	-	-
DEPT OF HEALTH, EDUC & WELFARE	24,168	6,407	171	-	22,521	769	3,357	-	943
DEPARTMENT OF THE INTERIOR	1,941	1,580	51	-	310	-1	-	-	-
DEPARTMENT OF TRANSPORTATION	282	-1	-1	-	122	-1	-	-	160
ENERGY RESEARCH & DEVELOP ADMIN	173,340	2,805	53,119	110,265	4,309	2,462	380	-	-
ENVIRONMENTAL PROTECTION AGENCY	13,453	13,178	66	-	209	-1	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	4,113	1,430	1,756	-	929	-1	-	-	-
NATIONAL SCIENCE FOUNDATION	7,123	25	-1	2,227	4,694	160	17	-	-
WEST SOUTH CENTRAL TOTAL	872,744	262,921	422,444	-	154,404	-1	18,963	-	14,015
DEPARTMENT OF AGRICULTURE	42,612	30,880	8	-	11,696	-1	28	-	-
DEPARTMENT OF COMMERCE	9,841	2,987	3,483	-	1,741	-1	763	-	867
DEPARTMENT OF DEFENSE	276,965	63,566	200,344	-	10,827	-1	2,208	-	-
DEPT OF HEALTH, EDUC & WELFARE	112,184	8,490	675	-	86,536	-1	11,542	-	4,941
DEPARTMENT OF THE INTERIOR	10,332	6,071	1,922	-	2,173	-1	30	-	136
DEPARTMENT OF TRANSPORTATION	24,715	159	10,030	-	6,327	-1	1,777	-	6,422
ENERGY RESEARCH & DEVELOP ADMIN	14,697	5,208	2,523	-	6,614	-1	352	-	-
ENVIRONMENTAL PROTECTION AGENCY	13,843	4,316	2,912	-	4,290	-1	842	-	1,483
NATIONAL AERONAUTICS & SPACE ADMIN	352,600	141,244	200,505	-	9,862	-1	939	-	50
NATIONAL SCIENCE FOUNDATION	14,975	-1	42	-	14,335	-1	482	-	116

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
ARKANSAS									
TOTAL	23,378	13,393	178	-	7,047	-1	581	-	2,179
DEPARTMENT OF AGRICULTURE	3,089	[illegible]	9	-	2,617	-1	-	-	-
DEPARTMENT OF COMMERCE	92	-1	9	-	65	-1	-	-	22
DEPARTMENT OF DEFENSE	407	251	150	-	6	-1	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	11,753	7,631	-1	-	2,936	-1	579	-	607
DEPARTMENT OF THE INTERIOR	1,419	1,064	-1	-	152	-1	-	-	3
DEPARTMENT OF TRANSPORTATION	1,522	-1	-1	-	-1	-1	-	-	1,522
ENERGY RESEARCH & DEVELOP ADMIN	104	-1	-1	-	104	-1	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	4,383	4,000	-1	-	358	-1	-	-	25
NATIONAL AERONAUTICS & SPACE ADMIN	188	-1	18	-	168	-1	-	-	-
NATIONAL SCIENCE FOUNDATION	443	-1	-1	-	441	-1	2	-	-
LOUISIANA									
TOTAL	101,680	22,397	54,656	-	18,847	-1	1,941	-	3,639
DEPARTMENT OF AGRICULTURE	15,899	17,570	31	-	2,318	-1	-	-	-
DEPARTMENT OF COMMERCE	2,459	216	829	-	992	-1	150	-	476
DEPARTMENT OF DEFENSE	17,017	1,368	14,975	-	1,374	-1	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	14,635	859	-1	-	11,214	-1	1,598	-	964
DEPARTMENT OF THE INTERIOR	1,235	908	-1	-	324	-1	-	-	3
DEPARTMENT OF TRANSPORTATION	2,210	-1	-1	-	14	-1	-	-	2,196
ENERGY RESEARCH & DEVELOP ADMIN	654	-1	-1	-	654	-1	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	621	-1	52	-	428	-1	141	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	41,693	1,272	39,697	-	472	-1	54	-	-
NATIONAL SCIENCE FOUNDATION	1,457	-1	-1	-	1,457	-1	-	-	-
OKLAHOMA									
TOTAL	34,267	12,837	2,153	-	13,626	-1	3,532	-	2,119
DEPARTMENT OF AGRICULTURE	4,490	4,384	-1	-	4,120	-1	-	-	-
DEPARTMENT OF COMMERCE	2,196	1,566	117	-	198	-1	206	-	119
DEPARTMENT OF DEFENSE	3,229	1,898	201	-	1,129	-1	1	-	-
DEPT OF HEALTH, EDUC & WELFARE	8,456	-1	-1	-	4,459	-1	3,325	-	672
DEPARTMENT OF THE INTERIOR	1,976	563	870	-	488	-1	-	-	55
DEPARTMENT OF TRANSPORTATION	930	-1	-1	-	15	-1	-	-	915
ENERGY RESEARCH & DEVELOP ADMIN	6,082	4,647	958	-	477	-1	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,791	-1	7	-	1,426	-1	-	-	358
NATIONAL AERONAUTICS & SPACE ADMIN	3,031	1,799	-1	-	1,232	-1	-	-	-
NATIONAL SCIENCE FOUNDATION	2,086	-1	-1	-	2,086	-1	-	-	-
TEXAS									
TOTAL	713,419	214,294	385,257	-	114,881	-1	12,909	-	6,078
DEPARTMENT OF AGRICULTURE	15,154	10,491	-1	-	4,635	-1	28	-	-
DEPARTMENT OF COMMERCE	5,294	1,409	2,532	-	896	-1	407	-	250
DEPARTMENT OF DEFENSE	256,292	59,849	185,918	-	8,318	-1	2,207	-	-
DEPT OF HEALTH, EDUC & WELFARE	77,340	-1	675	-	67,927	-1	6,040	-	2,698
DEPARTMENT OF THE INTERIOR	5,902	3,536	1,052	-	1,209	-1	30	-	75
DEPARTMENT OF TRANSPORTATION	20,053	1591	10,030	-	6,298	-1	1,777	-	1,789
ENERGY RESEARCH & DEVELOP ADMIN	7,857	561	1,565	-	5,379	-1	352	-	-
ENVIRONMENTAL PROTECTION AGENCY	6,848	316	2,853	-	1,878	-1	701	-	1,100
NATIONAL AERONAUTICS & SPACE ADMIN	367,690	138,173	180,590	-	7,990	-1	887	-	50
NATIONAL SCIENCE FOUNDATION	10,989	-1	42	-	10,351	-1	480	-	116
MOUNTAIN									
TOTAL	1,274,827	364,932	344,789	181,973	130,275	204,822	30,603	-	17,433
DEPARTMENT OF AGRICULTURE	38,388	28,332	20	-	10,036	-1	-	-	-
DEPARTMENT OF COMMERCE	20,393	17,438	777	-	1,090	72	536	-	476
DEPARTMENT OF DEFENSE	348,938	230,044	102,004	536	12,066	897	3,389	-	-
DEPT OF HEALTH, EDUC & WELFARE	81,812	7,963	584	-	46,850	-1	15,277	-	11,138
DEPARTMENT OF THE INTERIOR	57,676	45,311	5,126	-	8,810	-1	111	-	294
DEPARTMENT OF TRANSPORTATION	7,237	2,106	1,998	-	533	-1	66	-	2,534
ENERGY RESEARCH & DEVELOP ADMIN	506,982	13,965	118,023	181,435	71,557	175,433	7,170	-	1,499
ENVIRONMENTAL PROTECTION AGENCY	20,271	11,589	1,112	-	5,214	-1	874	-	1,482
NATIONAL AERONAUTICS & SPACE ADMIN	134,476	10,580	114,528	-	10,328	99	1,341	-	-
NATIONAL SCIENCE FOUNDATION	57,161	984	617	-	29,791	28,320	1,839	-	10
ARIZONA									
TOTAL	115,740	35,970	47,238	-	20,427	8,374	2,352	-	1,379
DEPARTMENT OF AGRICULTURE	8,096	6,647	-1	-	1,449	-1	-	-	-
DEPARTMENT OF COMMERCE	156	91	61	-	30	-1	55	-	60
DEPARTMENT OF DEFENSE	63,475	22,477	38,601	-	2,378	-1	19	-	-
DEPT OF HEALTH, EDUC & WELFARE	11,771	2,788	-1	-	7,413	-1	994	-	576
DEPARTMENT OF THE INTERIOR	4,244	3,164	155	-	870	-1	37	-	18
DEPARTMENT OF TRANSPORTATION	2,292	-1	1,361	-	206	-1	-	-	725
ENERGY RESEARCH & DEVELOP ADMIN	855	-1	45	-	790	-1	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	735	-1	202	-	178	-1	355	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	10,467	889	6,710	-	2,162	-1	706	-	-
NATIONAL SCIENCE FOUNDATION	12,649	-1	158	-	4,931	8,374	186	-	-

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TABLE C-13a. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1979

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL(1)	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCs ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCs ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
COLORADO									
TOTAL	266,804	93,057	129,486	-	44,753	20,128	9,761	-	9,619
DEPARTMENT OF AGRICULTURE	7,938	6,292	-	-	1,646	-	-	-	-
DEPARTMENT OF COMMERCE	19,146	17,412	634	-	631	73	356	-	40
DEPARTMENT OF DEFENSE	48,354	2,755	23,139	-	2,400	40	17	-	-
DEPT OF HEALTH, EDUC & WELFARE	33,353	371	453	-	18,489	-	7,104	-	7,270
DEPARTMENT OF THE INTERIOR	24,792	20,542	2,207	-	2,000	-	-	-	43
DEPARTMENT OF TRANSPORTATION	2,675	1,791	427	-	81	-	-	-	376
ENERGY RESEARCH & DEVELOP ADMIN	18,203	91	14,621	-	2,408	-	65	-	1,100
ENVIRONMENTAL PROTECTION AGENCY	4,729	513	677	-	2,455	-	304	-	780
NATIONAL AERONAUTICS & SPACE ADMIN	54,849	3,122	87,164	-	3,892	99	550	-	-
NATIONAL SCIENCE FOUNDATION	12,773	584	127	-	10,751	19,916	1,385	-	10
IDAHO									
TOTAL	66,340	6,533	1,480	33,210	4,774	18,921	400	-	1,022
DEPARTMENT OF AGRICULTURE	5,314	2,824	81	-	1,482	-	-	-	-
DEPARTMENT OF COMMERCE	169	51	51	-	-	-	-	-	116
DEPARTMENT OF DEFENSE	-	-	-	-	-	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	1,008	-	-	-	401	-	287	-	315
DEPARTMENT OF THE INTERIOR	2,767	2,046	60	-	607	-	-	-	54
DEPARTMENT OF TRANSPORTATION	479	-	-	-	-	-	-	-	479
ENERGY RESEARCH & DEVELOP ADMIN	55,056	633	1,395	33,210	897	18,921	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	210	-	-	-	152	-	-	-	58
NATIONAL AERONAUTICS & SPACE ADMIN	251	251	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,357	-	141	-	1,230	-	113	-	-
MONTANA									
TOTAL	26,594	11,784	1,151	-	7,038	-	5,467	-	1,151
DEPARTMENT OF AGRICULTURE	8,090	6,633	-	-	1,457	-	-	-	-
DEPARTMENT OF COMMERCE	313	-	81	-	105	-	69	-	200
DEPARTMENT OF DEFENSE	1,094	31	902	-	118	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	10,111	3,041	-	-	1,010	-	5,398	-	662
DEPARTMENT OF THE INTERIOR	2,732	2,107	918	-	414	-	-	-	120
DEPARTMENT OF TRANSPORTATION	37	-	-	-	-	-	-	-	37
ENERGY RESEARCH & DEVELOP ADMIN	1,903	-	-	-	1,903	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,640	-	150	-	1,338	-	-	-	132
NATIONAL AERONAUTICS & SPACE ADMIN	201	-	-	-	201	-	-	-	-
NATIONAL SCIENCE FOUNDATION	673	-	-	-	673	-	-	-	-
NEVADA									
TOTAL	149,399	37,883	96,930	3,165	3,248	3,694	3,966	-	513
DEPARTMENT OF AGRICULTURE	1,347	555	-	-	792	-	-	-	-
DEPARTMENT OF COMMERCE	122	101	97	-	-	-	-	-	15
DEPARTMENT OF DEFENSE	16,929	15,379	796	-	249	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	549	-	-	-	213	-	-	-	336
DEPARTMENT OF THE INTERIOR	6,330	5,475	-	-	852	-	-	-	3
DEPARTMENT OF TRANSPORTATION	104	-	-	-	60	-	-	-	44
ENERGY RESEARCH & DEVELOP ADMIN	111,482	5,115	95,316	3,165	359	3,694	3,831	-	115
ENVIRONMENTAL PROTECTION AGENCY	10,427	10,076	-	-	311	-	105	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,178	673	403	-	102	-	-	-	-
NATIONAL SCIENCE FOUNDATION	938	-	318	-	590	-	30	-	-
NEW MEXICO									
TOTAL	554,299	187,183	44,074	145,598	15,044	153,705	6,837	-	1,308
DEPARTMENT OF AGRICULTURE	1,935	969	-	-	966	-	-	-	-
DEPARTMENT OF COMMERCE	140	-	31	-	-	-	125	-	15
DEPARTMENT OF DEFENSE	218,900	177,111	33,729	598	3,381	857	3,284	-	-
DEPT OF HEALTH, EDUC & WELFARE	7,595	639	294	-	5,995	-	61	-	871
DEPARTMENT OF THE INTERIOR	3,060	2,214	308	-	488	-	40	-	10
DEPARTMENT OF TRANSPORTATION	491	315	120	-	43	-	-	-	13
ENERGY RESEARCH & DEVELOP ADMIN	307,552	646	5,784	145,000	136	152,848	3,274	-	399
ENVIRONMENTAL PROTECTION AGENCY	385	-	61	-	377	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	12,402	5,871	4,696	-	2,382	-	53	-	-
NATIONAL SCIENCE FOUNDATION	1,906	-	-	-	1,876	30	-	-	-
UTAH									
TOTAL	79,585	22,457	23,678	-	29,679	-	1,631	-	2,140
DEPARTMENT OF AGRICULTURE	4,193	2,901	121	-	1,280	-	-	-	-
DEPARTMENT OF COMMERCE	312	-	261	-	271	-	-	-	15
DEPARTMENT OF DEFENSE	20,036	12,319	4,837	-	3,480	-	1,423	-	883
DEPT OF HEALTH, EDUC & WELFARE	16,950	1,458	102	-	13,092	-	-	-	41
DEPARTMENT OF THE INTERIOR	8,269	3,379	2,040	-	1,104	-	66	-	804
DEPARTMENT OF TRANSPORTATION	975	-	901	-	151	-	-	-	-
ENERGY RESEARCH & DEVELOP ADMIN	5,300	-	358	-	4,942	-	110	-	397
ENVIRONMENTAL PROTECTION AGENCY	1,491	400	751	-	509	-	32	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	16,815	-	16,138	-	645	-	-	-	-
NATIONAL SCIENCE FOUNDATION	4,341	-	-	-	4,341	-	-	-	-

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TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRA-MURAL[1]	EXTRAMURAL					
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
WYOMING									
TOTAL	16,019	10,065	772	-	4,714	-	169	-	301
DEPARTMENT OF AGRICULTURE	1,475	511	-	-	964	-	-	-	-
DEPARTMENT OF COMMERCE	74	61	-	-	13	-	-	-	13
DEPARTMENT OF DEFENSE	601	-	-	-	601	-	-	-	-
DEPT OF HEALTH, EDUC & WELFARE	457	-	-	-	232	-	10	-	225
DEPARTMENT OF THE INTERIOR	5,183	4,404	269	-	475	-	34	-	5
DEPARTMENT OF TRANSPORTATION	184	-	-	-	148	-	-	-	36
ENERGY RESEARCH & DEVELOP ADMIN	5,773	5,146	507	-	122	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	174	-	-	-	174	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,109	-	-	-	1,105	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,529	-	-	-	1,399	-	125	-	-
PACIFIC									
TOTAL	5,689,451	795,766	3,645,871	172,906	474,210	316,991	112,408	121,720	41,821
DEPARTMENT OF AGRICULTURE	49,037	39,037	694	-	9,047	-	146	101	10
DEPARTMENT OF COMMERCE	26,465	20,663	5,071	-	6,124	-	1,628	38	3,121
DEPARTMENT OF DEFENSE	3,192,074	511,376	2,514,698	168	45,052	7,182	21,785	93,152	-
DEPT OF HEALTH, EDUC & WELFARE	352,626	2,131	9,426	-	243,270	2,492	72,667	2,745	22,915
DEPARTMENT OF THE INTERIOR	58,202	40,288	12,967	-	9,270	301	37	114	196
DEPARTMENT OF TRANSPORTATION	55,852	1,304	38,762	-	2,861	681	350	-	11,813
ENERGY RESEARCH & DEVELOP ADMIN	551,523	9,566	58,508	172,737	45,037	217,335	2,278	30,955	704
ENVIRONMENTAL PROTECTION AGENCY	44,672	19,174	13,686	-	3,697	-	2,625	851	2,991
NATIONAL AERONAUTICS & SPACE ADMIN	1,203,298	190,953	942,260	91	26,052	88,643	3,705	1,444	-
NATIONAL SCIENCE FOUNDATION	144,945	17,114	7,798	-	109,103	427	6,965	2,920	621
ALASKA									
TOTAL	34,640	21,123	1,878	-	9,268	-	137	-	2,234
DEPARTMENT OF AGRICULTURE	2,433	1,766	-	-	667	-	-	-	-
DEPARTMENT OF COMMERCE	6,726	5,228	411	-	955	-	70	-	936
DEPARTMENT OF DEFENSE	7,151	3,845	711	-	2,504	-	11	-	-
DEPT OF HEALTH, EDUC & WELFARE	2,034	112	-	-	858	-	56	-	1,008
DEPARTMENT OF THE INTERIOR	9,974	9,354	351	-	536	-	-	-	47
DEPARTMENT OF TRANSPORTATION	1,249	-	391	-	637	-	-	-	221
ENERGY RESEARCH & DEVELOP ADMIN	619	101	-	-	609	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,491	401	601	-	-	-	-	-	26
NATIONAL AERONAUTICS & SPACE ADMIN	2,082	768	640	-	674	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,268	-	-	-	2,268	-	-	-	-
CALIFORNIA									
TOTAL	4,838,770	748,792	3,190,734	44,978	352,914	316,991	93,079	101,069	30,118
DEPARTMENT OF AGRICULTURE	28,428	22,667	675	-	2,975	-	-	101	10
DEPARTMENT OF COMMERCE	12,564	3,846	4,518	-	2,224	-	1,305	-	583
DEPARTMENT OF DEFENSE	2,786,102	501,249	2,108,269	148	35,192	7,183	21,047	93,038	-
DEPT OF HEALTH, EDUC & WELFARE	270,169	1,551	8,714	-	182,998	2,452	56,499	2,121	15,894
DEPARTMENT OF THE INTERIOR	27,771	16,082	5,030	-	2,371	301	37	105	116
DEPARTMENT OF TRANSPORTATION	37,142	1,302	21,988	-	2,126	681	208	-	10,837
ENERGY RESEARCH & DEVELOP ADMIN	369,959	4,098	84,661	44,809	18,093	217,335	2,069	1,190	704
ENVIRONMENTAL PROTECTION AGENCY	23,284	457	15,591	-	2,498	-	2,412	617	1,459
NATIONAL AERONAUTICS & SPACE ADMIN	1,188,529	139,929	932,955	419	21,920	88,643	3,555	1,241	-
NATIONAL SCIENCE FOUNDATION	116,803	17,114	7,337	-	82,417	427	6,457	2,536	515
HAWAII									
TOTAL	42,970	6,568	16,963	-	17,360	-	1,460	-	619
DEPARTMENT OF AGRICULTURE	2,427	1,458	-	-	822	-	148	-	-
DEPARTMENT OF COMMERCE	3,715	1,704	701	-	1,137	-	170	-	37
DEPARTMENT OF DEFENSE	19,839	1,199	16,386	-	2,207	-	42	-	-
DEPT OF HEALTH, EDUC & WELFARE	4,496	421	-	-	4,044	-	781	-	450
DEPARTMENT OF THE INTERIOR	1,963	1,354	-	-	206	-	-	-	3
DEPARTMENT OF TRANSPORTATION	32	-	-	-	-	-	-	-	32
ENERGY RESEARCH & DEVELOP ADMIN	3,071	411	340	-	2,314	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	278	-	-	-	181	-	-	-	97
NATIONAL AERONAUTICS & SPACE ADMIN	2,308	251	161	-	1,424	-	-	-	-
NATIONAL SCIENCE FOUNDATION	3,843	-	-	-	3,524	-	319	-	-
OREGON									
TOTAL	78,606	35,177	3,483	-	28,931	-	9,346	-	2,069
DEPARTMENT OF AGRICULTURE	10,070	7,902	191	-	2,149	-	-	-	-
DEPARTMENT OF COMMERCE	9,521	2,701	541	-	1,190	-	-	-	486
DEPARTMENT OF DEFENSE	2,436	171	255	-	1,844	-	266	-	-
DEPT OF HEALTH, EDUC & WELFARE	24,012	-	570	-	13,479	-	8,999	-	964
DEPARTMENT OF THE INTERIOR	8,834	6,643	1,745	-	488	-	-	-	-
DEPARTMENT OF TRANSPORTATION	509	-	-	-	-	-	-	-	509
ENERGY RESEARCH & DEVELOP ADMIN	900	-	-	-	900	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	18,317	17,655	-	-	392	-	-	-	110
NATIONAL AERONAUTICS & SPACE ADMIN	1,455	791	842	-	524	-	-	-	-
NATIONAL SCIENCE FOUNDATION	7,640	-	-	-	7,615	-	25	-	-

CONTINUED ON NEXT PAGE

TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL(1)	EXTRAMURAL					
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
WASHINGTON									
TOTAL	654,459	24,105	432,815	127,928	64,337	-	7,784	30,711	6,781
DEPARTMENT OF AGRICULTURE	7,674	5,246	-	-	2,433	-	-	-	-
DEPARTMENT OF COMMERCE	9,406	6,586	386	-	1,118	-	193	38	1,083
DEPARTMENT OF DEFENSE	357,549	4,766	349,081	-	3,225	-	363	114	-
DEPT OF HEALTH, EDUC & WELFARE	49,895	471	142	-	38,141	-	6,352	614	4,599
DEPARTMENT OF THE INTERIOR	10,066	6,875	2,159	-	989	-	-	9	30
DEPARTMENT OF TRANSPORTATION	16,903	62	16,384	-	98	-	142	-	214
ENERGY RESEARCH & DEVELOP ADMIN	176,971	47	10,501	127,928	3,121	-	209	29,165	-
ENVIRONMENTAL PROTECTION AGENCY	2,667	342	35	-	1,114	-	211	234	749
NATIONAL AERONAUTICS & SPACE ADMIN	6,941	154	7,662	-	800	-	150	153	-
NATIONAL SCIENCE FOUNDATION	14,416	-	401	-	13,296	-	164	384	106
OUTLYING AREAS									
TOTAL	28,749	15,044	865	-	7,922	2,700	139	-	2,555
DEPARTMENT OF AGRICULTURE	3,039	1,276	-	-	2,503	-	-	-	-
DEPARTMENT OF COMMERCE	611	211	61	-	-	-	45	-	483
DEPARTMENT OF DEFENSE	11,056	10,242	750	-	-	-	94	-	-
DEPT OF HEALTH, EDUC & WELFARE	4,784	573	251	-	3,335	-	-	-	857
DEPARTMENT OF THE INTERIOR	3,056	2,942	-	-	114	-	-	-	-
DEPARTMENT OF TRANSPORTATION	657	-	-	-	-	-	-	-	657
ENERGY RESEARCH & DEVELOP ADMIN	1,697	201	31	-	1,081	-	-	-	525
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	-	-	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	3,082	-	-	-	329	2,700	-	-	33
OFFICES ABROAD									
TOTAL	43,859	31,119	3,662	-	192	956	10	7,912	-
DEPARTMENT OF AGRICULTURE	-	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE	162	-	-	-	162	-	-	-	-
DEPARTMENT OF DEFENSE	6,484	2,716	3,662	-	-	-	-	106	-
DEPT OF HEALTH, EDUC & WELFARE	461	461	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR	-	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION	-	-	-	-	-	-	-	-	-
ENERGY RESEARCH & DEVELOP ADMIN	7,806	-	-	-	-	-	-	7,806	-
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	28,357	28,357	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	990	-	-	-	30	956	10	-	-

(1) FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-104. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION, STATE, AND PERFORMER SUPPORTED: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	FEDERAL INTRAMURAL	EXTRAMURAL					
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES & COLLEGES	FFRDCS ADMIN BY UNIVS & COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL, ALL STATES	800,995	330,064	62,282	226,753	39,914	131,727	10,501	3,579	175
NEW ENGLAND	22,686	7,994	1,824	-	7,741	250	4,897	-	-
CONNECTICUT	3,831	1,839	513	-	1,479	-	-	-	-
MAINE	5	5	-	-	-	-	-	-	-
MASSACHUSETTS	11,047	2,567	1,136	-	2,197	250	4,897	-	-
NEW HAMPSHIRE	2,936	2,761	175	-	-	-	-	-	-
RHODE ISLAND	4,867	822	-	-	4,065	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC	76,765	12,150	14,975	22,127	10,430	10,696	210	-	175
NEW JERSEY	11,472	6,792	95	-	20	2,365	-	-	-
NEW YORK	46,436	1,109	5,820	15,199	10,005	6,133	210	-	-
PENNSYLVANIA	18,857	2,249	9,060	6,928	405	-	-	-	175
EAST NORTH CENTRAL	48,286	24,527	260	343	1,198	21,774	184	-	-
ILLINOIS	29,573	6,968	186	-	645	21,774	-	-	-
INDIANA	88	-	-	-	88	-	-	-	-
MICHIGAN	641	62	-	-	375	-	184	-	-
OHIO	15,065	14,016	74	343	30	-	-	-	-
WISCONSIN	2,919	2,699	-	-	60	-	-	-	-
WEST NORTH CENTRAL	5,782	4,205	100	-	733	744	-	-	-
IOWA	746	6	-	-	-	744	-	-	-
KANSAS	18	18	-	-	-	-	-	-	-
MINNESOTA	127	27	100	-	-	-	-	-	-
MISSOURI	4,886	3,353	-	-	733	-	-	-	-
NEBRASKA	409	409	-	-	-	-	-	-	-
NORTH DAKOTA	396	396	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC	173,704	165,346	3,026	2,600	906	1,756	4	-	-
DELAWARE	118	8	-	-	110	-	-	-	-
DISTRICT OF COLUMBIA	7,945	7,818	-	-	123	-	4	-	-
FLORIDA	95,960	95,842	191	-	127	-	-	-	-
GEORGIA	457	56	-	-	401	-	-	-	-
MARYLAND	40,058	38,967	960	-	106	25	-	-	-
NORTH CAROLINA	306	267	-	-	39	-	-	-	-
SOUTH CAROLINA	3,836	70	1,100	2,666	-	-	-	-	-
VIRGINIA	23,141	22,366	775	-	-	-	-	-	-
WEST VIRGINIA	1,883	152	-	-	-	1,731	-	-	-
EAST SOUTH CENTRAL	52,528	14,143	14,736	23,256	421	-	-	-	-
ALABAMA	8,369	8,264	-	-	105	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-
MISSISSIPPI	4,842	4,671	171	-	-	-	-	-	-
TENNESSEE	39,317	1,208	14,565	23,258	316	-	-	-	-
WEST SOUTH CENTRAL	8,920	6,882	1,700	-	338	-	-	-	-
ARKANSAS	715	715	-	-	-	-	-	-	-
LOUISIANA	303	303	-	-	-	-	-	-	-
OKLAHOMA	266	266	-	-	-	-	-	-	-
TEXAS	7,636	5,598	1,700	-	338	-	-	-	-
MOUNTAIN	104,900	12,326	12,738	47,709	666	48,035	3,406	-	-
ARIZONA	1,282	69	-	-	140	1,072	1	-	-
COLORADO	4,900	4,250	650	-	-	-	-	-	-
IDAHO	16,134	334	-	11,825	-	4,257	-	-	-
MONTANA	331	331	-	-	-	-	-	-	-
NEVADA	11,711	-	11,685	-	26	-	-	-	-
NEW MEXICO	68,120	5,789	376	15,884	-	42,666	3,405	-	-
UTAH	2,118	1,851	27	-	240	-	-	-	-
WYOMING	284	4	-	-	280	-	-	-	-
PACIFIC	305,863	81,580	12,953	150,690	7,052	48,249	1,800	3,579	-
ALASKA	875	613	-	-	-	262	-	-	-
CALIFORNIA	154,059	73,685	12,405	3,019	6,559	47,967	1,860	4	-
HAWAII	6,203	6,080	-	-	123	-	-	-	-
OREGON	1,228	1,129	-	-	99	-	-	-	-
WASHINGTON	146,498	73	548	142,031	271	-	-	3,575	-
OUTLYING AREAS	477	53	-	-	424	-	-	-	-
OFFICES ABROAD	1,084	838	-	-	5	241	-	-	-

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D PLANT OBLIGATIONS IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-105. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION, STATE, AND AGENCY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF HEALTH, EDUC & WELFARE	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENERGY RESEARCH & DEVELOP ADMIN	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL, ALL STATES	800,995	7,797	9,533	167,125	35,069	3,871	13,255	392,586	2,070	142,655	23,054
NEW ENGLAND	22,666	5	-	9,517	6,321	-	513	1,529	28	-	4,773
CONNECTICUT	3,821	-	-	1,849	1,274	-	513	195	-	-	-
MAINE	5	5	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	11,947	-	-	3,938	5,047	-	-	1,334	-	-	728
NEW HAMPSHIRE	2,936	-	-	2,936	-	-	-	-	-	-	-
RHODE ISLAND	4,867	-	-	794	-	-	-	-	28	-	4,045
VERMONT	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC	76,165	439	1,050	8,302	15,444	1,275	2,190	47,865	180	-	20
NEW JERSEY	11,472	-	-	6,423	-	-	2,086	2,783	180	-	-
NEW YORK	46,436	126	1,050	793	15,444	-	-	29,003	-	-	20
PENNSYLVANIA	18,857	313	-	1,086	-	1,275	104	16,079	-	-	-
EAST NORTH CENTRAL	46,286	523	-	14,032	639	2,515	-	23,077	1,612	5,852	36
ILLINOIS	29,573	157	-	6,811	455	-	-	22,150	-	-	-
INDIANA	88	-	-	-	-	-	-	88	-	-	-
MICHIGAN	641	4	-	5	184	-	-	364	78	-	6
OHIO	15,065	18	-	7,214	-	-	-	447	1,534	5,852	-
WISCONSIN	919	344	-	2	-	2,515	-	28	-	-	30
WEST NORTH CENTRAL	5,782	847	-	-	733	-	-	4,196	6	-	-
IOWA	748	2	-	-	-	-	-	744	-	-	-
KANSAS	18	18	-	-	-	-	-	-	-	-	-
MINNESOTA	127	21	-	-	-	-	-	100	6	-	-
MISSOURI	4,086	1	-	-	733	-	-	3,352	-	-	-
NEBRASKA	405	405	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	396	396	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC	173,704	1,069	1,375	64,187	8,031	4	2,508	4,422	81	90,007	2,020
DELAWARE	118	8	-	-	-	-	-	-	-	-	110
DISTRICT OF COLUMBIA	7,945	6	-	5,088	-	-	-	123	-	2,724	4
FLORIDA	95,960	172	191	24,709	-	-	-	-	77	70,684	127
GEORGIA	457	48	-	-	-	4	-	397	4	-	4
MARYLAND	40,058	612	1,184	24,112	7,951	-	1,298	136	-	4,760	5
NORTH CAROLINA	306	1	-	-	80	-	-	-	-	186	39
SOUTH CAROLINA	3,836	70	-	-	-	-	-	3,766	-	-	-
VIRGINIA	25,141	-	-	10,278	-	-	1,210	-	-	11,653	-
WEST VIRGINIA	1,883	152	-	-	-	-	-	-	-	-	1,731
EAST SOUTH CENTRAL	92,528	188	-	5,715	-	3	-	38,117	-	8,400	105
ALABAMA	8,369	31	-	5	-	-	-	-	-	8,228	105
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	4,842	153	-	4,517	-	-	-	-	-	172	-
TENNESSEE	39,317	4	-	1,193	-	3	-	38,117	-	-	-
WEST SOUTH CENTRAL	8,920	308	-	3,968	713	-	-	382	5	4,218	166
ARKANSAS	713	-	-	-	713	-	-	-	-	-	-
LOUISIANA	303	303	-	-	-	-	-	-	-	-	-
OKLAHOMA	268	3	-	-	-	-	-	260	5	-	-
TEXAS	7,636	62	-	3,968	-	-	-	122	-	4,218	166
MOUNTAIN	104,900	523	233	7,486	325	20	3,820	77,745	85	790	13,473
ARIZONA	1,282	69	-	-	-	-	-	-	-	-	1,213
COLORADO	4,900	102	233	10	-	-	3,820	650	85	-	-
IDAHO	16,154	7	-	-	-	-	-	16,147	-	-	-
MONTANA	331	6	-	-	325	-	-	-	-	-	-
NEVADA	11,711	-	-	1,046	-	-	-	10,665	-	-	-
NEW MEXICO	68,140	-	-	5,137	-	-	-	50,193	-	790	12,000
UTAH	2,118	735	-	1,293	-	-	-	90	-	-	-
WYOMING	284	4	-	-	-	20	-	-	-	-	260
PACIFIC	305,863	3,382	6,875	54,813	6,863	54	4,224	194,809	73	32,230	2,240
ALASKA	875	-	-	749	-	-	-	-	-	126	-
CALIFORNIA	151,059	2,267	6,875	54,057	6,863	-	4,224	48,600	-	26,364	1,809
HAWAII	6,203	40	-	-	-	-	-	-	-	6,040	123
OREGON	1,228	1,056	-	-	-	-	-	-	73	-	99
WASHINGTON	146,498	19	-	7	-	54	-	146,209	-	-	209
OUTLYING AREAS	477	92	-	-	-	-	-	424	-	-	-
OFFICES ABROAD	1,084	-	-	5	-	-	-	-	-	858	221

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D PLANT OBLIGATIONS IN FY 1975.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-106. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES					
				1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	5,394,942	2,908,222	53.9%	5,943,428	3,130,935	52.9%	6,060,174	3,245,511	53.6%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	302,533	221,073	73.1	347,042	252,499	72.8	362,153	263,449	72.7
AGRICULTURAL RESEARCH SERVICE	204,963	149,622	73.0	241,202	176,294	73.0	251,577	183,648	73.0
COOPERATIVE STATE RESEARCH SERVICE	3,158	3,158	100.0	3,658	3,658	100.0	4,292	4,292	100.0
ECONOMIC RESEARCH SERVICE	20,931	15,720	75.1	24,225	16,874	69.7	24,557	17,118	69.7
FARMER COOPERATIVE SERVICE	1,045	815	78.0	1,229	983	80.0	1,272	1,018	80.0
FOREST SERVICE	71,343	50,818	71.2	74,288	52,831	71.1	76,491	55,697	73.0
NATIONAL AGRICULTURAL LIBRARY	61	61	100.0	61	61	100.0	-1	-1	-
STATISTICAL REPORTING SERVICE	1,087	924	85.9	1,936	1,653	85.4	1,964	1,677	85.3
DEPARTMENT OF COMMERCE, TOTAL	138,971	80,479	57.9	159,977	87,611	54.6	163,856	95,625	58.4
BUREAU OF THE CENSUS	898	760	84.6	1,024	873	85.3	1,162	1,002	86.2
ECONOMIC DEVELOPMENT ADMINISTRATION	473	40	8.5	740	45	6.1	155	4	2.6
MARITIME ADMINISTRATION	2,568	340	13.2	898	225	25.1	900	225	25.0
NATIONAL BUREAU OF STANDARDS	41,785	30,259	72.4	48,705	35,244	72.4	49,101	35,648	72.4
NATIONAL FIRE PREV & CONTROL ADMIN	2,793	1,760	63.0	4,803	2,913	59.9	4,965	2,556	51.8
NATIONAL OCEANIC AND ATMOS ADMIN	88,002	45,678	51.9	101,788	47,105	46.3	105,326	54,871	52.1
OFFICE OF MINORITY BUSINESS ENTERP	629	629	100.0	315	314	100.0	329	329	100.0
OFFICE OF TELECOMMUNICATIONS	1,319	593	45.0	1,226	551	44.9	1,416	636	45.0
PATENT & TRADEMARK OFFICE	500	420	84.0	416	336	80.8	429	354	83.3
DEPARTMENT OF DEFENSE, TOTAL	2,768,966	1,415,297	51.1	2,995,133	1,483,864	50.4	3,061,378	1,554,459	50.8
DEPARTMENT OF THE ARMY	733,353	438,968	59.9	798,283	469,017	58.8	889,066	486,736	54.7
DEPARTMENT OF THE NAVY	958,712	567,389	59.2	1,003,487	580,990	57.9	1,013,003	608,350	60.1
DEPARTMENT OF THE AIR FORCE	517,841	355,529	68.7	527,237	360,983	68.4	921,444	380,568	41.3
DEFENSE AGENCIES	140,077	53,311	38.1	191,446	72,766	38.0	211,798	78,546	37.1
DEPARTMENTWIDE FUNDS	250	100	40.0	250	102	39.8	150	59	39.3
DIRECTOR OF TEST & EVALUATION, DEF	18,733	-1	-	24,922	-1	-	25,917	-1	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	456,873	221,814	48.6	498,125	280,120	52.6	464,016	258,543	55.5
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	23,232	11,049	47.6	24,884	12,088	48.5	27,172	13,041	48.0
CENTER FOR DISEASE CONTROL	27,875	23,694	85.0	27,495	23,796	85.0	26,704	22,698	85.0
FOOD AND DRUG ADMINISTRATION	23,111	17,453	75.5	23,209	17,689	76.2	23,861	18,134	76.0
HEALTH RESOURCES ADMINISTRATION	10,761	8,617	80.1	9,923	9,320	93.9	8,734	8,167	93.5
HEALTH SERVICES ADMINISTRATION	4,320	3,378	78.2	4,831	3,793	78.5	5,176	4,080	78.8
NATIONAL INSTITUTE OF EDUCATION	11,537	9,250	80.2	11,200	8,281	73.9	11,700	8,353	71.4
NATIONAL INSTITUTES OF HEALTH	330,111	133,801	40.5	366,026	169,490	46.2	352,847	176,631	50.1
OFFICE OF EDUCATION	121	75	62.0	330	230	69.7	274	187	68.2
OFFICE OF HUMAN DEVELOPMENT	3,503	3,000	85.7	3,060	3,180	85.9	3,700	3,200	86.5
OFFICE OF ASS'T SECTY FOR EDUCATION	675	450	66.7	675	450	66.7	675	450	66.7
OFFICE OF THE SECRETARY	2,629	1,000	38.0	3,009	1,000	33.2	3,756	1,000	26.6
SOCIAL AND REHABILITATION SERVICE	514	514	100.0	750	750	100.0	750	750	100.0
SOCIAL SECURITY ADMINISTRATION	18,487	9,533	51.6	17,630	10,275	58.3	18,667	11,852	63.5
DEPT OF HOUSING & URBAN DEVELOPMENT	19,397	10,800	55.7	19,119	11,300	59.1	15,840	9,000	56.8
DEPARTMENT OF THE INTERIOR, TOTAL	184,592	119,312	64.6	200,988	133,154	66.2	195,107	130,662	67.0
BONNEVILLE POWER ADMINISTRATION	2,194	1,645	75.0	2,446	1,835	75.0	1,594	1,196	75.0
BUREAU OF LAND MANAGEMENT	342	310	90.6	345	305	88.4	500	375	75.0
BUREAU OF MINES	42,961	37,300	84.8	53,370	44,680	83.7	49,637	40,600	81.8
BUREAU OF OUTDOOR RECREATION	20	5	25.0	20	5	25.0	20	5	25.0
BUREAU OF RECLAMATION	4,583	2,430	53.0	4,757	2,620	55.1	4,209	2,341	55.6
GEOLOGICAL SURVEY	108,318	58,778	54.3	112,743	63,814	56.6	111,170	65,756	59.1
NATIONAL PARK SERVICE	3,538	2,234	63.1	3,945	2,412	61.1	4,116	2,497	60.7
OFFICE OF THE SECRETARY	300	210	70.0	320	257	80.3	330	271	82.1
OFFICE OF WATER RES AND TECHNOLOGY	2,347	1,994	85.0	2,150	1,686	78.4	2,180	1,740	79.8
US FISH AND WILDLIFE SERVICE	18,989	14,406	75.9	20,892	15,540	74.4	21,351	15,881	74.4
DEPARTMENT OF JUSTICE, TOTAL	5,502	4,015	73.0	8,539	5,422	63.5	6,860	5,350	78.0
BUREAU OF PRISONS	470	385	81.9	640	484	75.3	790	644	81.5
DRUG ENFORCEMENT ADMINISTRATION	156	156	100.0	1,054	1,054	100.0	1,200	1,200	100.0
FEDERAL BUREAU OF INVESTIGATION	200	200	100.0	221	221	100.0	200	200	100.0
IMMIGRATION & NATURALIZATION SERVICE	41	41	100.0	121	121	100.0	201	201	100.0
LAW ENFORCEMENT ASSISTANCE ADMIN	4,672	3,270	70.0	6,042	3,653	55.2	4,650	3,286	70.7
DEPARTMENT OF LABOR, TOTAL	8,756	7,036	80.4	11,720	9,070	77.4	12,656	9,811	77.4
BUREAU OF LABOR STATISTICS	1,830	1,555	85.0	1,425	1,211	85.0	1,698	1,444	85.0
EMPLOYMENT AND TRAINING ADMIN	2,505	1,817	72.5	3,075	1,935	62.9	3,334	1,934	58.0
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	2,854	88.1	5,433	4,722	86.9	5,450	4,735	87.0
LABOR-MANAGEMENT SERVICES ADMIN	451	293	64.3	725	520	71.7	692	522	75.4
OCCUPATIONAL SAFETY & HEALTH ADMIN	422	422	100.0	300	300	100.0	800	800	100.0
OFFICE OF THE SECRETARY	498	288	57.8	762	382	50.1	682	362	53.1
DEPARTMENT OF STATE, TOTAL	4,338	4,100	94.5	4,479	4,137	92.4	5,031	4,804	95.5
DEPARTMENTAL FUNDS	281	170	60.5	300	161	53.7	476	154	55.8
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,057	3,930	96.9	4,179	3,976	95.1	4,755	4,650	97.8
DEPT OF TRANSPORTATION, TOTAL	58,042	32,385	55.8	74,264	39,990	53.8	71,081	41,392	58.2
FEDERAL AVIATION ADMINISTRATION	22,976	15,265	67.7	24,385	15,165	67.7	26,546	17,985	67.8
FEDERAL HIGHWAY ADMINISTRATION	790	690	87.3	570	515	90.4	550	505	91.8
FEDERAL RAILROAD ADMINISTRATION	9,799	3,075	31.4	22,068	8,140	36.0	13,100	4,730	36.1
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,677	920	54.9	2,275	1,250	54.9	1,925	1,060	55.1
OFFICE OF THE SECRETARY	11,115	5,720	51.5	13,456	7,200	53.5	11,500	6,390	55.6
UNITED STATES COAST GUARD	3,335	1,355	40.6	4,650	2,020	43.4	4,690	1,927	41.1
URBAN MASS TRANSPORTATION ADMIN	8,348	4,860	58.2	8,300	5,700	68.7	12,770	8,795	68.9

CONTINUED ON NEXT PAGE

TABLE C-10a. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES					
				1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF THE TREASURY, TOTAL	1,618	1,279	78.8	1,463	1,035	70.7	1,606	1,180	73.5
BUREAU OF ENGRAVING AND PRINTING	1,618	1,279	78.8	1,463	1,035	70.7	1,606	1,180	73.5
OTHER AGENCIES									
ACTION	221	121	54.5	231	121	52.2	201	101	50.0
ADV COMM ON INTERGOVERNMTL RELATION	1,238	767	62.0	1,261	870	69.0	1,402	901	64.3
CIVIL AERONAUTICS BOARD	417	376	90.2	456	415	91.0	483	439	90.9
CIVIL SERVICE COMMISSION	2,847	2,847	100.0	2,929	2,929	100.0	2,671	2,671	100.0
COMMUNITY SERVICES ADMINISTRATION	1,023	1,023	100.0	1,000	1,000	100.0	1,000	1,000	100.0
CONSUMER PRODUCT SAFETY COMMISSION	3,406	786	23.1	3,399	777	22.9	3,800	800	21.1
ENERGY RESEARCH & DEVELOPMENT ADMIN	66,073	30,065	45.5	108,050	46,278	42.8	125,410	54,001	43.1
ENVIRONMENTAL PROTECTION AGENCY	141,465	44,212	31.3	155,390	44,347	28.5	114,988	43,603	37.9
FEDERAL COMMUNICATIONS COMMISSION	803	803	100.0	1,127	1,127	100.0	1,228	1,228	100.0
FEDERAL ENERGY ADMINISTRATION	228	207	90.8	1,063	958	93.6	772	726	94.0
FEDERAL HOME LOAN BANK BOARD	654	404	61.3	771	429	55.1	816	438	53.7
FEDERAL TRADE COMMISSION	934	919	98.4	1,200	1,108	92.3	1,270	1,116	87.9
GENERAL SERVICES ADMINISTRATION	455	448	74.8	321	249	75.2	697	523	75.0
LIBRARY OF CONGRESS	2,508	2,161	86.2	3,022	2,292	75.8	3,336	2,432	72.9
NATIONAL AERONAUTICS & SPACE ADMIN	1,042,718	584,707	56.1	1,181,263	608,720	51.5	1,211,233	612,374	50.6
NATIONAL SCIENCE FOUNDATION	49,478	27,400	55.4	52,232	30,151	57.7	63,334	31,177	49.2
NUCLEAR REGULATORY COMMISSION	4,207	2,386	56.7	6,279	2,803	44.7	7,560	3,660	48.4
OFFICE OF TELECOMMUNICATIONS POLICY	3,281	3,281	100.0	2,517	2,517	100.0	2,137	2,137	100.0
SMALL BUSINESS ADMINISTRATION	161	161	100.0	100	100	100.0	100	100	100.0
SMITHSONIAN INSTITUTION	23,249	15,127	65.1	26,189	17,382	66.4	30,748	20,979	68.2
SPEC ACTION OFF-DRUG ABUSE PREVENTION	104	102	100	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	7,759	6,207	80.0	8,736	6,989	80.0	9,940	7,952	80.0
US ARMS CONTROL & DISARMAMENT AGENCY	235	117	49.8	300	150	50.0	175	88	50.3
UNITED STATES INFORMATION AGENCY	84	55	65.5	107	71	66.4	130	82	63.1
VETERANS ADMINISTRATION	92,462	66,553	72.0	98,874	71,081	71.9	97,340	73,009	75.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-107. FEDERAL OBLIGATIONS FOR TOTAL BASIC RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES					
				1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	644,742	369,259	56.5%	694,681	399,556	57.7%	727,074	428,665	59.0%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	107,477	78,596	73.1	123,938	90,126	73.0	128,922	94,127	73.0
AGRICULTURAL RESEARCH SERVICE	86,918	63,449	73.0	101,312	73,957	73.0	105,543	77,045	73.0
COOPERATIVE STATE RESEARCH SERVICE	1,200	1,200	100.0	1,986	1,986	100.0	1,631	1,631	100.0
ECONOMIC RESEARCH SERVICE	3,140	2,358	75.1	3,633	2,531	69.7	3,683	2,568	69.7
FOREST SERVICE	15,973	11,378	71.2	16,568	11,747	71.1	17,620	12,503	71.0
STATISTICAL REPORTING SERVICE	246	211	85.8	439	375	85.4	445	380	85.4
DEPARTMENT OF COMMERCE, TOTAL	17,168	9,195	53.6	16,319	9,040	55.4	17,741	9,661	54.5
BUREAU OF THE CENSUS	103	43	41.7	55	46	83.6	40	34	85.0
MARITIME ADMINISTRATION	193	40	20.7	98	25	25.5	100	25	25.0
NATIONAL BUREAU OF STANDARDS	4,845	3,508	72.4	5,479	3,965	72.4	5,665	4,104	72.4
NATIONAL FIRE PREV & CONTROL ADMIN	495	350	70.7	515	350	68.0	448	221	49.3
NATIONAL OCEANIC AND ATMOS ADMIN	11,400	5,195	45.6	10,049	4,599	45.8	11,347	5,214	46.0
OFFICE OF TELECOMMUNICATIONS	132	59	44.7	132	55	44.7	141	63	44.7
DEPARTMENT OF DEFENSE, TOTAL	98,696	57,401	58.2	109,147	62,156	59.7	113,047	78,113	69.1
DEPARTMENT OF THE ARMY	16,918	11,919	72.6	19,852	13,293	89.5	17,433	14,417	82.7
DEPARTMENT OF THE NAVY	33,788	20,598	61.0	39,909	23,892	59.9	48,278	30,097	62.8
DEPARTMENT OF THE AIR FORCE	43,661	24,886	57.0	43,421	24,970	57.5	43,189	32,774	75.9
DEFENSE AGENCIES	4,779	-	-	5,961	-	-	4,947	925	18.7
DEPT OF HEALTH, ED, & WELFARE, TOTAL	117,703	49,837	42.3	132,446	61,971	46.8	134,795	67,214	49.9
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	19,584	9,116	46.5	41,047	18,018	47.6	23,182	10,659	46.8
HEALTH SERVICES ADMINISTRATION	949	361	80.4	515	414	80.4	565	454	80.4
NATIONAL INSTITUTE OF EDUCATION	1,476	1,164	80.2	800	605	75.8	1,227	876	71.4
NATIONAL INSTITUTES OF HEALTH	93,038	37,464	40.3	105,625	49,082	46.4	105,128	52,989	50.4
OFFICE OF THE SECRETARY	1,359	503	36.9	1,648	500	47.1	2,350	500	21.3
SOCIAL SECURITY ADMINISTRATION	1,802	1,214	67.3	2,394	1,354	56.5	2,343	1,536	65.6
DEPARTMENT OF THE INTERIOR, TOTAL	100,304	57,526	57.2	104,342	61,215	58.7	101,288	61,802	61.0
BUREAU OF MINES	1,800	1,500	83.3	800	680	85.0	700	600	85.7
BUREAU OF RECLAMATION	441	301	68.2	591	401	67.8	641	451	70.3
GEOLOGICAL SURVEY	89,420	48,214	54.2	93,233	52,771	56.6	90,000	53,270	59.1
NATIONAL PARK SERVICE	199	109	54.8	196	128	65.3	197	129	65.5
OFFICE OF WATER RES AND TECHNOLOGY	443	389	87.8	428	377	88.1	430	380	88.4
US FISH AND WILDLIFE SERVICE	8,388	6,794	81.0	9,026	7,220	75.0	9,837	7,376	75.0
DEPARTMENT OF JUSTICE, TOTAL	196	70	35.7	200	180	90.0	1,250	1,051	84.1
LAW ENFORCEMENT ASSISTANCE ADMIN	196	70	35.7	200	180	90.0	1,250	1,051	84.1
DEPARTMENT OF LABOR, TOTAL	241	209	86.7	364	328	90.1	365	329	90.1
EMPLOYMENT AND TRAINING ADMIN	64	64	100.0	68	68	100.0	68	68	100.0
LABOR-MANAGEMENT SERVICES ADMIN	177	145	81.9	296	260	87.8	297	261	87.9
DEPARTMENT OF STATE, TOTAL	1,500	1,470	98.0	1,700	1,590	93.5	1,700	1,650	97.1
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,500	1,470	98.0	1,700	1,590	93.5	1,700	1,650	97.1
DEPT OF TRANSPORTATION, TOTAL	75	50	66.7	75	-	-	75	-	-
UNITED STATES COAST GUARD	75	50	66.7	75	-	-	75	-	-
OTHER AGENCIES									
ACTION	20	10	50.0	20	9	45.0	20	10	50.0
CIVIL SERVICE COMMISSION	559	559	100.0	578	578	100.0	537	537	100.0
ENERGY RESEARCH & DEVELOPMENT ADMIN	195	117	60.0	266	186	69.9	279	195	69.9
ENVIRONMENTAL PROTECTION AGENCY	870	870	100.0	955	955	100.0	850	850	100.0
GENERAL SERVICES ADMINISTRATION	60	45	75.0	60	45	75.0	60	45	75.0
NATIONAL AERONAUTICS & SPACE ADMIN	135,100	68,903	51.0	134,216	66,754	49.7	137,845	64,002	46.4
NATIONAL SCIENCE FOUNDATION	37,575	21,755	57.9	42,831	24,006	56.0	53,507	24,968	46.7
OFFICE OF TELECOMMUNICATIONS POLICY	21	21	100.0	21	21	100.0	21	21	100.0
SMITHSONIAN INSTITUTION	23,494	15,127	65.1	26,189	17,382	66.4	30,748	20,979	68.2
VETERANS ADMINISTRATION	3,807	2,707	71.1	4,113	3,022	73.5	4,043	3,130	77.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-108. FEDERAL OBLIGATIONS FOR TOTAL APPLIED RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES 1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	1,767,518	1,005,510	56.9%	1,898,493	1,089,675	57.4%	1,949,385	1,132,169	58.1%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	178,412	130,173	73.1	203,008	147,839	72.8	212,278	154,104	72.6
AGRICULTURAL RESEARCH SERVICE	106,199	77,569	73.0	125,786	91,822	73.0	131,068	95,678	73.0
COOPERATIVE STATE RESEARCH SERVICE	1,958	1,958	100.0	2,392	2,392	100.0	2,661	2,661	100.0
ECONOMIC RESEARCH SERVICE	17,791	13,362	75.1	20,590	14,345	69.7	20,874	14,550	69.7
FARMER COOPERATIVE SERVICE	1,045	815	78.0	1,229	983	80.0	1,272	1,018	80.0
FOREST SERVICE	50,445	35,933	71.2	52,417	37,279	71.1	55,197	39,168	71.0
NATIONAL AGRICULTURAL LIBRARY	61	61	100.0	61	61	100.0	-1	-1	-
STATISTICAL REPORTING SERVICE	668	574	85.9	1,488	1,014	85.4	1,206	1,029	85.3
DEPARTMENT OF COMMERCE, TOTAL	52,419	55,179	59.7	108,195	59,942	55.4	112,608	65,822	58.5
BUREAU OF THE CENSUS	441	419	95.0	558	494	88.5	652	572	87.7
ECONOMIC DEVELOPMENT ADMINISTRATION	303	25	8.3	500	25	5.0	50	3	6.0
MARITIME ADMINISTRATION	449	100	22.3	400	100	25.0	400	100	25.0
NATIONAL BUREAU OF STANDARDS	28,795	20,649	72.4	32,416	23,458	72.4	33,433	24,219	72.4
NATIONAL FIRE PREV & CONTROL ADMIN	20	10	50.0	563	63	11.2	579	79	13.6
NATIONAL OCEANIC AND ATMOS ADMIN	21,580	33,237	54.0	73,444	35,419	48.4	76,809	40,423	52.6
OFFICE OF MINORITY BUSINESS ENTERP	121	121	100.0	611	611	100.0	641	641	100.0
OFFICE OF TELECOMMUNICATIONS	462	208	45.0	343	154	44.9	410	185	45.1
PATENT & TRADEMARK OFFICE	250	210	84.0	208	168	80.8	211	177	83.9
DEPARTMENT OF DEFENSE, TOTAL	589,257	336,037	59.1	583,026	342,862	58.7	636,406	363,736	57.2
DEPARTMENT OF THE ARMY	196,037	128,917	65.8	196,802	133,515	67.8	221,336	141,239	63.8
DEPARTMENT OF THE NAVY	141,390	96,184	68.0	145,660	96,008	66.8	156,641	108,420	69.2
DEPARTMENT OF THE AIR FORCE	157,021	89,265	56.8	157,842	90,128	57.1	157,853	90,134	57.1
DEFENSE AGENCIES	73,759	22,171	30.1	85,066	23,109	27.2	100,426	23,884	23.8
DEPARTMENTWIDE FUNDS	250	100	40.0	256	102	39.8	150	59	39.3
DEPT OF HEALTH, ED, & WELFARE, TOTAL	302,182	139,078	46.3	323,960	165,566	51.1	311,775	168,450	54.0
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	2,648	1,433	53.0	3,834	2,070	54.0	3,990	2,182	54.7
CENTER FOR DISEASE CONTROL	27,875	23,694	85.0	27,995	23,796	85.0	26,704	22,698	85.0
FOOD AND DRUG ADMINISTRATION	23,111	17,453	75.5	23,209	17,689	76.2	23,861	18,136	76.0
HEALTH RESOURCES ADMINISTRATION	7,308	5,566	76.4	8,884	8,264	93.2	7,475	6,911	92.5
HEALTH SERVICES ADMINISTRATION	2,806	2,325	82.9	3,166	2,631	83.1	3,448	2,870	83.2
NATIONAL INSTITUTE OF EDUCATION	261	209	80.1	847	627	74.0	1,677	1,196	71.3
NATIONAL INSTITUTES OF HEALTH	218,960	78,943	36.1	238,317	99,856	41.9	225,574	102,446	45.4
OFFICE OF EDUCATION	736	401	54.8	1121	601	53.6	841	451	53.6
OFFICE OF HUMAN DEVELOPMENT	383	330	85.7	385	350	90.9	407	352	86.5
OFFICE OF ASS'T SECTY FOR EDUCATION	751	501	66.7	751	501	66.7	751	501	66.7
OFFICE OF THE SECRETARY	1,275	500	39.2	1,161	500	43.1	1,406	500	35.6
SOCIAL AND REHABILITATION SERVICE	514	514	100.0	750	750	100.0	750	750	100.0
SOCIAL SECURITY ADMINISTRATION	16,085	8,321	49.9	15,245	8,923	58.5	16,324	10,316	63.2
DEPT OF HOUSING & URBAN DEVELOPMENT	10,380	6,703	64.5	12,719	8,500	66.8	10,600	6,600	62.3
DEPARTMENT OF THE INTERIOR, TOTAL	54,764	37,972	69.3	60,595	42,651	70.4	60,003	42,014	70.0
BONNEVILLE POWER ADMINISTRATION	991	741	74.7	148	111	75.0	51	41	80.0
BUREAU OF LAND MANAGEMENT	3,631	2951	81.3	3261	2901	89.0	480	360	75.0
BUREAU OF MINES	15,800	10,800	84.8	24,000	20,000	83.3	22,000	18,000	81.8
BUREAU OF OUTDOOR RECREATION	201	51	25.0	201	51	25.0	201	51	25.0
BUREAU OF RECLAMATION	4,155	2,200	52.9	4,373	2,388	54.6	3,792	2,086	55.0
GEOLOGICAL SURVEY	18,886	10,264	54.3	19,510	11,043	56.6	21,110	12,486	59.1
NATIONAL PARK SERVICE	3,339	2,125	63.6	3,749	2,284	60.9	3,919	2,368	60.4
OFFICE OF THE SECRETARY	215	150	69.8	220	180	81.8	241	190	78.8
OFFICE OF WATER RES AND TECHNOLOGY	1,401	1,166	83.2	1,316	1,150	87.4	1,350	1,200	88.9
US FISH AND WILDLIFE SERVICE	6,524	4,893	75.0	6,933	5,200	75.0	7,066	5,315	75.0
DEPARTMENT OF JUSTICE, TOTAL	1,291	752	58.2	2,709	1,410	52.0	1,971	1,362	69.1
BUREAU OF PRISONS	-1	-1	-	-1	-1	-	321	231	71.9
DRUG ENFORCEMENT ADMINISTRATION	501	501	100.0	1001	1001	100.0	429	429	100.0
IMMIGRATION & NATURALIZATION SERVICE	21	21	100.0	101	101	100.0	101	101	100.0
LAW ENFORCEMENT ASSISTANCE ADMIN	1,239	700	56.5	2,999	1,300	50.0	1,500	900	60.0
DEPARTMENT OF LABOR, TOTAL	6,419	4,896	76.3	9,453	6,940	73.4	10,079	7,403	73.4
BUREAU OF LABOR STATISTICS	733	623	85.0	620	527	85.0	743	632	85.1
EMPLOYMENT AND TRAINING ADMIN	1,952	774	52.9	1,889	749	39.7	2,009	609	30.3
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	2,854	88.1	5,433	4,722	86.9	5,450	4,739	87.0
LABOR-MANAGEMENT SERVICES ADMIN	274	145	52.9	429	260	60.6	395	261	66.1
OCCUPATIONAL SAFETY & HEALTH ADMIN	212	212	100.0	300	300	100.0	800	800	100.0
OFFICE OF THE SECRETARY	498	288	57.8	762	382	50.1	682	362	53.1
DEPARTMENT OF STATE, TOTAL	1,382	1,245	90.1	1,824	1,676	91.9	2,275	2,145	94.3
DEPARTMENTAL FUNDS	231	145	62.8	245	126	56.0	226	126	55.8
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,151	1,100	95.6	1,599	1,550	96.9	2,049	2,019	98.5
DEPT OF TRANSPORTATION, TOTAL	15,699	8,645	55.1	18,146	10,740	59.2	17,483	10,841	62.0
FEDERAL AVIATION ADMINISTRATION	3,008	1,985	66.0	4,920	1,930	66.1	3,250	2,130	65.9
FEDERAL HIGHWAY ADMINISTRATION	400	360	90.0	150	125	83.3	150	125	83.3
FEDERAL RAILROAD ADMINISTRATION	2,086	1,145	54.9	8,276	4,550	55.0	4,850	2,670	55.1
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	765	420	54.9	675	370	54.8	715	395	55.2
OFFICE OF THE SECRETARY	6,864	3,090	45.0	1,935	900	46.5	1,718	800	46.6
UNITED STATES COAST GUARD	1,210	795	65.9	1,380	900	65.2	1,040	676	65.0
URBAN MASS TRANSPORTATION ADMIN	1,368	860	62.9	2,808	1,965	70.0	5,780	4,045	70.0

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TABLE C-106. FEDERAL OBLIGATIONS FOR TOTAL APPLIED RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES					
				1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF THE TREASURY, TOTAL	400	371	92.7	406	374	92.1	453	421	92.9
BUREAU OF ENGRAVING AND PRINTING	400	371	92.7	406	374	92.1	453	421	92.9
OTHER AGENCIES									
ACTION	21	21	100.0	11	11	100.0	-1	-1	-
ADV COMM ON INTERGOVERNMNTL RELATIONS	1,238	767	62.0	1,261	870	69.0	1,402	901	64.3
CIVIL AERONAUTICS BOARD	417	376	90.2	456	415	91.0	483	439	90.9
CIVIL SERVICE COMMISSION	972	972	100.0	1,003	1,003	100.0	933	933	100.0
COMMUNITY SERVICES ADMINISTRATION	231	231	100.0	-1	-1	-	-1	-1	-
CONSUMER PRODUCT SAFETY COMMISSION	1,221	162	13.3	782	118	15.1	700	100	14.3
ENERGY RESEARCH & DEVELOPMENT ADMIN	24,547	9,203	37.5	17,027	7,339	43.1	22,100	9,503	43.0
ENVIRONMENTAL PROTECTION AGENCY	63,433	17,770	28.0	63,510	17,830	28.1	56,238	17,800	31.7
FEDERAL COMMUNICATIONS COMMISSION	803	803	100.0	1,127	1,127	100.0	1,228	1,228	100.0
FEDERAL ENERGY ADMINISTRATION	351	351	89.7	295	274	92.9	-1	-1	-
FEDERAL HOME LOAN BANK BOARD	659	404	61.3	771	425	55.1	816	438	53.7
FEDERAL TRADE COMMISSION	934	919	98.4	1,200	1,108	92.3	1,270	1,116	87.9
GENERAL SERVICES ADMINISTRATION	101	71	70.0	66	50	75.8	21	21	100.0
LIBRARY OF CONGRESS	388	307	79.1	411	310	75.5	479	373	77.9
NATIONAL AERONAUTICS & SPACE ADMIN	334,343	177,430	53.1	284,115	185,557	92.7	376,829	193,693	51.4
NATIONAL SCIENCE FOUNDATION	10,878	5,563	51.1	9,366	6,141	65.6	9,794	6,206	63.4
NUCLEAR REGULATORY COMMISSION	4,207	2,386	56.7	6,279	2,805	44.7	7,560	3,660	48.4
OFFICE OF TELECOMMUNICATIONS POLICY	1,899	1,899	100.0	1,258	1,258	100.0	1,070	1,070	100.0
SMALL BUSINESS ADMINISTRATION	101	101	100.0	100	100	100.0	100	100	100.0
SPEC ACTION OFF-DRUG ABUSE PREVENTION	1021	1021	100.0	-1	-1	-	-1	-1	-
TENNESSEE VALLEY AUTHORITY	5,899	4,719	80.0	6,696	5,357	80.0	7,570	6,056	80.0
US ARMS CONTROL & DISARMAMENT AGENCY	213	107	49.6	200	100	50.0	165	83	50.3
UNITED STATES INFORMATION AGENCY	84	55	65.5	101	69	68.3	110	75	68.2
VETERANS ADMINISTRATION	82,884	58,935	71.1	87,047	63,948	73.5	84,603	65,495	77.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-709. FEDERAL OBLIGATIONS FOR TOTAL DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES					
				1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	2,982,662	1,538,453	51.6%	3,332,874	1,645,704	49.4%	3,384,717	1,684,677	49.8%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	16,944	12,304	72.6	19,996	14,534	72.7	20,953	15,218	72.6
AGRICULTURAL RESEARCH SERVICE	11,846	8,648	73.0	14,404	10,515	73.0	14,966	10,925	73.0
FOREST SERVICE	4,925	3,507	71.2	5,283	3,755	71.1	5,674	4,026	71.0
STATISTICAL REPORTING SERVICE	173	149	86.1	309	264	85.4	313	267	85.3
DEPARTMENT OF COMMERCE, TOTAL	29,384	16,105	54.8	35,463	18,629	52.5	33,507	20,142	60.1
BUREAU OF THE CENSUS	354	298	84.2	411	333	81.0	470	396	84.3
ECONOMIC DEVELOPMENT ADMINISTRATION	170	151	8.8	240	20	8.3	105	11	1.0
MARITIME ADMINISTRATION	1,926	200	10.4	400	100	25.0	400	100	25.0
NATIONAL BUREAU OF STANDARDS	8,151	5,902	72.4	10,808	7,821	72.4	10,112	7,325	72.4
NATIONAL FIRE PREV & CONTROL ADMIN	2,278	1,400	61.5	3,785	2,500	66.1	3,908	2,256	57.7
NATIONAL OCEANIC AND ATMOS ADMIN	15,022	7,246	48.2	18,593	7,087	38.1	17,170	9,234	53.8
OFFICE OF MINORITY BUSINESS ENTERP	508	508	100.0	258	258	100.0	265	265	100.0
OFFICE OF TELECOMMUNICATIONS	725	326	45.0	760	342	45.0	863	388	45.0
PATENT & TRADEMARK OFFICE	450	210	84.0	208	168	80.8	214	177	82.7
DEPARTMENT OF DEFENSE, TOTAL	2,101,063	1,021,259	48.6	2,257,360	1,078,846	47.8	2,311,925	1,112,410	48.1
DEPARTMENT OF THE ARMY	920,898	496,132	57.2	586,629	342,209	54.9	650,297	331,080	50.9
DEPARTMENT OF THE NAVY	783,524	450,609	57.5	819,918	461,095	56.2	807,984	469,533	58.1
DEPARTMENT OF THE AIR FORCE	716,359	241,378	33.7	725,970	245,885	33.9	720,402	257,660	35.8
DEFENSE AGENCIES	61,529	31,140	50.6	100,421	49,657	49.4	107,365	54,137	50.4
DIRECTOR OF TEST & EVALUATION, DEF	18,733	-1	-	24,422	-1	-	25,917	-1	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	36,986	32,099	86.8	37,719	32,563	86.3	37,446	32,879	87.8
HEALTH RESOURCES ADMINISTRATION	3,753	3,051	81.3	1,059	1,056	99.7	1,259	1,256	99.8
HEALTH SERVICES ADMINISTRATION	1,065	692	65.0	1,150	748	65.0	1,163	756	65.0
NATIONAL INSTITUTE OF EDUCATION	5,800	1,857	32.2	9,533	7,049	73.9	8,796	6,281	71.4
NATIONAL INSTITUTES OF HEALTH	18,607	17,394	93.5	21,884	20,310	92.8	22,145	21,196	95.7
OFFICE OF EDUCATION	481	351	72.9	218	170	78.0	190	142	74.7
OFFICE OF HUMAN DEVELOPMENT	3,115	2,670	85.7	3,275	2,830	86.4	3,293	2,848	86.5
OFFICE OF ASS'T SECTY FOR EDUCATION	600	400	66.7	600	400	66.7	600	400	66.7
DEPT OF HOUSING & URBAN DEVELOPMENT	9,017	4,100	45.5	6,400	2,800	43.8	5,240	2,400	45.8
DEPARTMENT OF THE INTERIOR, TOTAL	29,524	24,004	81.3	36,351	29,287	81.2	33,816	26,646	79.4
BONNEVILLE POWER ADMINISTRATION	2,295	1,671	75.0	2,298	1,724	75.0	1,589	1,192	75.0
BUREAU OF LAND MANAGEMENT	191	151	78.9	191	151	78.9	201	151	75.0
BUREAU OF MINES	22,361	19,000	85.0	28,570	24,000	84.0	26,937	22,000	81.7
BUREAU OF RECLAMATION	384	200	52.1	325	192	59.1	353	210	59.5
OFFICE OF THE SECRETARY	85	60	70.6	100	77	77.0	89	81	91.0
OFFICE OF WATER RES AND TECHNOLOGY	503	439	87.3	406	159	39.2	400	160	40.0
US FISH AND WILDLIFE SERVICE	4,077	2,719	66.7	4,333	3,120	72.0	4,428	3,188	72.0
DEPARTMENT OF JUSTICE, TOTAL	4,015	3,193	79.5	5,630	3,832	68.1	3,639	2,937	80.7
BUREAU OF PRISONS	470	385	81.9	640	482	75.3	758	621	81.9
DRUG ENFORCEMENT ADMINISTRATION	106	106	100.0	934	934	100.0	771	771	100.0
FEDERAL BUREAU OF INVESTIGATION	200	200	100.0	221	221	100.0	200	200	100.0
IMMIGRATION & NATURALIZATION SERVICE	21	21	100.0	21	21	100.0	101	101	100.0
LAW ENFORCEMENT ASSISTANCE ADMIN	3,237	2,500	77.2	3,813	2,173	57.0	1,900	1,335	70.3
DEPARTMENT OF LABOR, TOTAL	2,056	1,931	94.1	1,923	1,832	93.7	2,212	2,069	93.5
BUREAU OF LABOR STATISTICS	1,097	932	85.0	805	684	85.0	955	812	85.0
EMPLOYMENT AND TRAINING ADMIN	979	979	100.0	1,118	1,118	100.0	1,257	1,257	100.0
OCCUPATIONAL SAFETY & HEALTH ADMIN	20	20	100.0	-1	-1	-	-1	-1	-
DEPARTMENT OF STATE, TOTAL	1,456	1,385	95.1	955	871	91.2	1,056	1,009	95.5
DEPARTMENTAL FUNDS	50	25	50.0	75	35	46.7	50	28	56.0
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,406	1,360	96.7	880	836	95.0	1,006	981	97.5
DEPT OF TRANSPORTATION, TOTAL	42,268	23,090	54.6	56,043	29,250	52.2	53,523	30,551	57.1
FEDERAL AVIATION ADMINISTRATION	19,970	13,580	68.0	19,465	13,235	68.0	23,316	15,855	68.0
FEDERAL HIGHWAY ADMINISTRATION	390	330	84.6	420	390	92.9	400	380	95.0
FEDERAL RAILROAD ADMINISTRATION	7,715	1,930	25.0	14,350	3,590	25.0	8,250	2,060	25.0
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	912	500	54.8	1,600	880	55.0	1,210	665	55.0
OFFICE OF THE SECRETARY	4,251	2,630	61.9	11,521	6,300	54.7	9,762	5,590	57.1
UNITED STATES COAST GUARD	2,050	720	35.1	3,195	1,120	35.1	3,575	1,251	35.0
URBAN MASS TRANSPORTATION ADMIN	6,980	4,000	57.3	5,492	3,735	68.0	6,990	4,750	68.0

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TABLE C-109. FEDERAL OBLIGATIONS FOR TOTAL DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1975			ESTIMATES 1976			1977		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF THE TREASURY, TOTAL	1,218	904	74.2	1,057	661	62.5	1,153	759	65.8
BUREAU OF ENGRAVING AND PRINTING	1,218	904	74.2	1,057	661	62.5	1,153	759	65.8
OTHER AGENCIES									
ACTION	-	-	-	21	21	100.0	-	-	-
CIVIL SERVICE COMMISSION	1,280	1,280	100.0	1,348	1,348	100.0	1,201	1,201	100.0
COMMUNITY SERVICES ADMINISTRATION	1,000	1,000	100.0	1,000	1,000	100.0	1,000	1,000	100.0
CONSUMER PRODUCT SAFETY COMMISSION	2,185	624	28.6	2,617	659	25.2	3,100	700	22.6
ENERGY RESEARCH & DEVELOPMENT ADMIN	41,331	20,665	50.0	90,757	38,753	42.7	103,031	44,303	43.0
ENVIRONMENTAL PROTECTION AGENCY	77,462	25,572	33.1	70,925	25,592	36.1	57,900	24,953	43.1
FEDERAL ENERGY ADMINISTRATION	169	172	51.0	728	689	94.6	772	724	94.0
GENERAL SERVICES ADMINISTRATION	85	64	75.3	209	154	75.1	635	476	75.0
LIBRARY OF CONGRESS	2,120	1,854	87.5	2,611	1,982	75.9	2,857	2,059	72.1
NATIONAL AERONAUTICS & SPACE ADMIN	573,275	338,374	59.0	692,932	355,399	51.3	696,559	354,679	50.9
NATIONAL SCIENCE FOUNDATION	1,045	821	8.0	351	41	11.4	331	31	9.1
OFFICE OF TELECOMMUNICATIONS POLICY	1,380	1,380	100.0	1,257	1,257	100.0	1,068	1,068	100.0
TENNESSEE VALLEY AUTHORITY	1,860	1,488	80.0	2,490	1,832	80.0	2,370	1,896	80.0
US ARMS CONTROL & DISARMAMENT AGENCY	201	101	50.0	1001	501	50.0	101	51	50.0
UNITED STATES INFORMATION AGENCY	-	-	-	61	21	34.3	201	71	35.0
VETERANS ADMINISTRATION	5,771	4,908	85.0	7,714	4,111	53.3	8,004	4,384	50.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

Table C-110. Federal outlays for research, development, and R&D plant, by agency: fiscal years 1967-77

/Millions of dollars/

Agency	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total, all agencies	16,859.1	17,048.9	16,347.6	15,735.8	15,992.4	16,743.0	17,510.2	18,325.7	19,589.7	21,378.8	23,595.9
Departments											
Department of Agriculture	269.8	286.2	283.8	298.6	318.9	357.9	357.1	381.5	425.6	500.7	518.6
Department of Commerce	80.5	81.6	78.4	127.9	122.9	168.2	186.2	188.2	224.6	239.6	230.1
Department of Defense, total	7,680.1	8,163.6	8,068.4	7,587.9	7,706.0	8,297.2	8,597.6	8,979.7	9,363.5	9,684.4	10,969.0
Department of the Army	1,734.0	1,539.5	1,[illegible].8	1,771.6	1,670.6	1,889.8	2,042.4	2,308.6	2,083.0	2,071.5	2,405.7
Department of the Navy	1,941.9	2,104.1	2,108.8	2,172.4	2,477.9	2,501.5	2,498.9	2,715.8	3,126.3	3,268.3	4,118.5
Department of the Air Force	3,487.0	3,987.8	3,826.3	3,150.1	3,025.6	3,426.2	3,588.5	3,442.3	3,567.6	3,697.1	3,740.3
Departmentwide Funds	9.9	7.2	9.2	5.9	4.5	4.0	3.0	2.3	3.0	2.0	1.0
Defense Agencies	507.3	525.0	514.2	488.0	527.5	476.7	461.3	485.2	556.9	619.8	677.2
Director of Test and Evaluation							3.4	25.5	26.8	25.7	26.3
Department of Health, Education, and Welfare	1,075.0	1,283.1	1,220.0	1,261.3	1,326.8	1,554.5	1,878.4	1,960.6	2,178.3	2,430.7	2,558.6
Department of the Interior	166.7	195.1	204.2	159.8	185.1	214.5	254.1	199.6	244.6	306.6	308.1
Department of Transportation	239.3	219.1	200.0	262.6	477.8	287.0	337.3	363.7	339.2	382.3	347.5
Other Agencies											
Atomic Energy Commission	1,466.9	1,594.3	1,654.0	1,616.0	1,604.9	1,551.3	1,624.4				
Energy Research and Development Administration								1,825.0	2,271.5	2,805.8	3,479.5
Environmental Protection Agency				70.2	101.0	133.8	147.7	172.2	218.6	327.9	303.0
National Aeronautics and Space Administration	5,425.7	4,723.7	4,251.7	3,753.1	3,381.9	3,422.9	3,315.2	3,256.2	3,268.5	3,517.2	3,676.0
National Science Foundation	294.8	333.6	342.3	324.1	373.9	435.0	470.9	584.7	600.4	651.8	679.8
Nuclear Regulatory Commission								46.1	98.5	96.3	106.5
Office of Economic Opportunity	36.7	41.0	77.1	79.3	148.7	95.3	98.0				
Veterans Administration	46.4	47.4	54.0	61.7	67.9	76.1	82.8	85.7	97.0	115.8	105.2
All other agencies	77.2	80.2	105.7	133.3	176.6	149.3	160.5	282.5	301.4	319.7	314.0

Table C-111. Federal outlays for research and development, by agency: fiscal years 1967-77

/Millions of dollars/

Agency	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total, all agencies	16,073.0	16,333.0	15,695.4	15,157.0	15,379.7	16,178.5	16,872.1	17,621.5	18,760.1	20,480.2	22,710.8
Departments											
Department of Agriculture	253.5	262.5	270.1	285.0	311.3	348.1	348.5	375.6	417.7	486.2	510.5
Department of Commerce	68.7	75.4	75.1	122.9	118.2	164.1	180.4	176.3	214.1	232.3	226.6
Department of Defense, total	7,606.5	7,990.1	7,660.5	7,447.1	7,561.5	8,138.8	8,440.6	8,814.9	9,210.6	9,496.4	10,767.6
Department of the Army	1,709.4	1,495.5	1,577.3	1,753.5	1,637.9	1,859.4	1,996.4	2,277.2	2,053.1	2,042.6	2,380.6
Department of the Navy	1,928.9	2,052.9	2,080.0	2,150.8	2,449.4	2,462.1	2,466.4	2,668.3	3,078.5	3,199.7	4,066.1
Department of the Air Force	3,453.0	3,927.2	3,513.8	3,088.5	2,975.9	3,362.6	3,533.1	3,374.1	3,513.1	3,618.6	3,645.6
Departmentwide Funds	9.9	7.2	9.2	5.9	4.5	4.0	3.0	2.3	3.0	2.0	1.0
Defense Agencies	506.4	507.3	480.0	448.4	493.8	450.7	438.3	467.4	536.2	607.8	668.0
Director of Test and Evaluation							3.4	25.5	26.8	25.7	26.3
Department of Health, Education and Welfare	993.5	1,216.5	1,186.7	1,217.9	1,282.5	1,516.7	1,816.7	1,927.3	2,092.4	2,361.6	2,520.6
Department of the Interior	147.1	178.2	195.8	151.6	178.1	209.8	237.8	198.0	242.2	306.0	307.6
Department of Transportation	230.5	212.3	203.2	258.9	468.2	273.7	312.3	328.4	324.5	367.2	333.9
Other Agencies											
Atomic Energy Commission	1,257.3	1,369.0	1,405.9	1,346.0	1,302.9	1,297.7	1,363.2				
Energy Research and Development Administration				68.1	100.6	133.1	144.7	1,488.9	1,860.3	2,396.8	3,025.6
Environmental Protection Agency								161.3	207.2	323.7	298.3
National Aeronautics and Space Administration	5,137.1	4,597.6	4,186.4	3,696.5	3,337.8	3,372.5	3,270.5	3,181.1	3,181.2	3,402.4	3,550.3
National Science Foundation	224.3	266.7	280.0	292.9	334.7	417.5	427.8	570.7	571.3	602.4	646.8
Nuclear Regulatory Commission								42.3	55.8	87.9	99.5
Office of Economic Opportunity	36.7	41.0	77.1	79.3	148.7	95.3	98.0				
Veterans Administration	41.3	44.1	49.8	58.0	60.8	66.5	75.0	80.4	94.6	101.3	99.6
All other agencies	76.5	79.6	104.8	132.8	174.4	144.7	157.6	276.3	288.0	296.0	303.9

Table C-112. Federal outlays for R&D plant, by agency: fiscal years 1967-77

/Millions of dollars/

Agency	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total, all agencies	786.1	715.9	652.2	578.9	612.7	564.4	638.0	704.2	829.9	898.6	885.1
Departments											
Department of Agriculture	16.2	23.7	13.7	13.6	7.6	9.7	8.6	5.9	7.9	14.5	8.0
Department of Commerce	11.8	6.2	3.3	5.1	4.7	4.1	5.8	11.9	10.5	7.4	3.5
Department of Defense, total	73.5	173.5	207.9	140.8	144.5	158.4	157.0	164.9	152.9	188.1	181.4
Department of the Army	24.6	43.9	32.5	18.2	32.7	30.4	46.0	31.4	30.0	28.9	25.1
Department of the Navy	13.0	51.2	28.8	21.6	28.4	39.4	32.5	47.5	47.8	68.6	52.4
Department of the Air Force	34.1	60.6	112.5	61.5	49.7	63.6	55.4	68.2	54.5	78.5	94.7
Defense Agencies	1.8	17.7	34.2	39.6	33.7	25.0	23.0	17.7	20.6	12.1	9.2
Department of Health, Education and Welfare	81.6	66.6	33.3	43.3	44.3	37.8	62.7	33.3	85.9	49.1	38.0
Department of the Interior	19.7	16.9	8.4	8.3	7.0	4.7	16.3	1.6	2.4	.7	.5
Department of Transportation	8.7	6.8	4.8	3.7	9.6	13.3	25.0	35.4	14.7	15.1	13.6
Other Agencies											
Atomic Energy Commission	209.6	225	248.1	270.0	302.0	253.6	261.2	-----	-----	-----	-----
Energy Research and Development Administration	-----	-----	-----	-----	-----	-----	-----	336.1	411.2	409.0	453.9
Environmental Protection Agency	-----	-----	-----	2.1	.4	.7	3.0	10.9	11.3	4.2	4.7
National Aeronautics and Space Administration	288.6	126.1	65.3	56.6	44.1	50.3	44.7	75.1	85.3	114.8	125.7
National Science Foundation	70.5	66.9	62.3	31.2	39.2	17.5	43.1	14.0	29.1	49.4	33.0
Nuclear Regulatory Commission	-----	-----	-----	-----	-----	-----	-----	3.8	2.6	8.4	7.0
Veterans Administration	5.1	3.3	4.2	3.7	7.0	9.6	7.8	5.3	2.2	14.5	5.6
All other agencies	.8	.6	.9	.5	2.3	4.7	2.8	6.0	13.7	23.4	10.2

Table C-113. Federal obligations for research, development, and R&D plant, by agency: fiscal years 1967-77

/Millions of dollars/

Agency	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total, all agencies	17,149.4	16,525.3	16,310.1	15,864.8	16,175.4	17,114.0	17,595.6	18,204.5	19,865.0	22,612.5	24,726.9
Departments											
Department of Agriculture	260.9	271.9	270.8	286.4	310.0	357.4	369.4	387.5	427.9	514.1	506.1
Department of Commerce	78.9	88.1	75.3	125.5	152.9	194.7	198.5	192.2	224.9	246.5	239.0
Department of Defense, total	8,135.9	7,907.7	7,890.0	7,500.9	7,662.7	8,492.9	8,550.6	8,589.5	9,179.6	10,084.6	11,584.4
Department of the Army	1,703.3	1,593.9	1,666.5	1,687.0	1,726.0	2,103.7	2,030.7	2,042.0	1,920.7	2,093.1	2,465.2
Department of the Navy	2,122.5	2,078.4	2,159.7	2,276.1	2,311.7	2,559.7	2,690.5	2,772.6	3,162.8	3,450.0	4,027.7
Department of the Air Force	3,819.9	3,724.5	3,604.2	3,049.1	3,163.2	3,325.1	3,344.1	3,283.9	3,573.1	3,895.1	4,365.0
Departmentwide Funds	10.6	7.3	5.0	4.1	3.0	4.0	3.2	2.7	1.7	1.7	1.0
Defense Agencies	479.5	503.5	454.6	484.6	458.8	500.4	457.1	464.1	497.4	616.8	695.6
Director of Test and Evaluation	--------	--------	--------	--------	--------	--------	25.1	24.2	23.9	27.9	29.9
Department of Health, Education, and Welfare	1,207.2	1,298.5	1,350.2	1,252.2	1,493.4	1,806.1	1,879.1	2,331.0	2,414.3	2,637.9	2,580.7
Department of the Interior	202.7	217.5	221.8	168.5	202.2	234.1	265.5	198.7	284.7	333.0	313.7
Department of Transportation	292.6	179.8	237.5	333.4	508.0	336.3	348.9	383.2	324.8	392.6	368.1
Other Agencies											
Atomic Energy Commission	1,484.9	1,534.3	1,708.5	1,611.9	1,615.2	1,544.4	1,712.3	--------	--------	--------	--------
Energy Research and Development Administration	--------	--------	--------	--------	--------	--------	--------	1,881.6	2,464.8	3,241.6	3,918.9
Environmental Protection Agency	--------	--------	--------	90.5	137.8	123.0	205.1	170.5	259.7	318.5	250.3
National Aeronautics and Space Administration	4,987.8	4,494.4	4,018.1	3,833.4	3,298.2	3,202.5	3,130.2	3,100.5	3,207.1	3,530.1	3,670.7
National Science Foundation	327.9	350.3	300.7	312.3	364.8	473.5	537.0	568.1	618.1	664.3	740.7
Nuclear Regulatory Commission	--------	--------	--------	--------	--------	--------	--------	46.1	67.2	110.6	122.4
Office of Economic Opportunity	44.2	14.1	70.6	123.4	153.1	106.9	108.9	--------	--------	--------	--------
Veterans Administration	45.9	48.0	54.3	61.2	77.9	71.3	84.6	86.9	97.0	115.8	105.2
All other agencies	80.5	90.7	112.3	165.3	199.3	170.9	205.5	268.7	294.9	322.9	326.7

Table C-114. Federal obligations for research and development, by agency: fiscal years 1967-77

[Millions of dollars]

Agency	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total, all agencies	16,529.3	15,921.4	15,641.1	15,340.3	15,564.2	16,511.9	16,821.2	17,438.2	19,044.3	21,624.7	23,487.6
Departments											
Department of Agriculture	252.6	253.5	260.1	281.2	304.9	349.6	366.5	378.7	420.1	478.4	502.8
Department of Commerce	74.8	83.9	72.1	121.6	143.7	187.3	190.6	180.6	215.4	238.8	235.4
Department of Defense, total	8,049.2	7,709.3	7,696.3	7,360.4	7,509.0	8,318.1	8,404.2	8,420.4	9,012.5	9,905.0	11,225.2
Department of the Army	1,661.3	1,563.4	1,643.8	1,659.8	1,682.4	2,064.2	2,013.6	2,009.9	1,896.7	2,067.3	2,425.4
Department of the Navy	2,108.9	2,024.8	2,124.2	2,257.9	2,283.7	2,519.4	2,654.8	2,718.5	3,100.2	3,386.2	3,974.5
Department of the Air Force	3,794.3	3,621.7	3,498.5	2,990.0	3,113.5	3,254.3	3,273.5	3,216.2	3,513.5	3,815.8	4,113.7
Departmentwide Funds	10.6	7.3	5.0	4.1	3.0	4.0	3.2	2.7	1.7	1.7	1.0
Defense Agencies	474.0	492.0	424.6	448.6	426.5	476.4	434.1	448.9	476.5	606.1	680.7
Director of Test and Evaluation	--------	--------	--------	--------	--------	--------	25.1	24.2	23.9	27.9	29.9
Department of Health, Education, and Welfare	1,146.6	1,251.8	1,297.4	1,221.0	1,476.1	1,751.1	1,837.6	2,290.1	2,375.2	2,602.6	2,537.9
Department of the Interior	170.4	190.6	207.6	157.9	193.7	220.3	243.4	196.6	280.8	330.0	312.9
Department of Transportation	283.6	171.7	231.8	327.8	497.2	310.5	310.6	369.8	311.6	372.3	351.8
Other Agencies											
Atomic Energy Commission	1,257.3	1,369.0	1,405.9	1,346.0	1,302.9	1,297.7	1,363.2	--------	--------	--------	--------
Energy Research and Development Administration	--------	--------	--------	--------	--------	--------	--------	1,488.9	2,072.3	2,804.0	3,279.8
Environmental Protection Agency	--------	--------	--------	88.5	136.7	122.4	180.6	169.2	257.7	311.7	246.5
National Aeronautics and Space Administration	4,867.0	4,429.4	3,963.3	3,799.9	3,257.9	3,157.2	3,060.9	3,002.2	3,064.4	3,448.0	3,546.6
National Science Foundation	262.4	283.5	273.8	289.0	336.9	454.8	479.9	556.4	595.0	623.1	717.5
Nuclear Regulatory Commission	--------	--------	--------	--------	--------	--------	--------	42.3	64.2	101.0	114.4
Office of Economic Opportunity	44.2	44.1	70.6	123.4	153.1	106.9	108.9	--------	--------	--------	--------
Veterans Administration	40.9	44.7	50.2	58.6	62.9	69.1	74.3	84.8	94.8	101.3	99.6
All Other agencies	80.2	89.9	111.9	165.0	189.2	166.9	200.5	258.2	280.3	308.5	317.2

Table C-115. Federal obligations for R&D plant, by agency: fiscal years 1967-77

[Millions of dollars]

Agency	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total, all agencies	620.1	603.8	669.0	524.4	611.2	602.1	774.3	766.3	820.7	887.8	1,239.3
Departments											
Department of Agriculture	8.2	18.3	10.7	5.3	5.1	7.8	2.9	8.8	7.8	35.7	3.2
Department of Commerce	4.1	4.2	3.2	3.9	9.2	7.4	7.9	11.6	9.5	7.7	3.6
Department of Defense, total	86.7	198.3	193.8	140.6	153.7	174.7	146.4	169.1	167.1	179.6	359.2
Department of the Army	42.0	30.5	22.7	27.2	43.6	39.5	17.1	32.1	23.9	25.8	39.8
Department of the Navy	13.6	53.6	35.5	18.2	28.0	40.4	35.7	54.0	62.7	63.7	53.2
Department of the Air Force	25.6	102.8	105.6	59.2	49.7	70.8	70.6	67.7	59.6	79.3	251.3
Defense Agencies	5.5	11.5	30.0	36.0	32.3	24.1	23.0	15.3	20.9	10.7	14.9
Department of Health, Education, and Welfare	60.6	46.7	52.8	31.2	17.4	55.0	41.6	40.9	39.1	35.3	42.8
Department of the Interior	32.3	26.9	14.2	10.6	8.5	13.8	22.0	2.1	3.9	1.0	.7
Department of Transportation	9.0	8.1	5.6	5.5	10.8	25.8	38.2	13.4	13.3	20.3	16.4
Other Agencies											
Atomic Energy Commission	227.6	165.3	302.5	265.9	312.2	246.7	349.1	-----	-----	-----	-----
Energy Research and Development Administration	-----	-----	-----	-----	-----	-----	-----	392.7	392.6	437.6	639.1
Environmental Protection Agency	-----	-----	-----	2.0	1.1	.7	24.5	1.2	2.1	6.8	3.8
National Aeronautics and Space Administration	120.8	65.0	54.8	33.4	40.2	45.2	69.3	98.4	142.7	82.1	124.0
National Science Foundation	65.4	66.9	26.9	23.3	27.9	18.6	57.1	11.7	23.1	41.2	23.2
Nuclear Regulatory Commission	-----	-----	-----	-----	-----	-----	-----	3.8	3.0	9.6	8.0
Veterans Administration	5.0	3.3	4.1	2.6	15.0	2.2	10.3	2.1	2.2	14.5	5.6
All Other agencies	.3	.8	.4	.1	10.1	4.2	5.0	10.5	14.3	16.4	9.7

Table C-116. Federal obligations for research and development, by character of work and R&D plant: selected fiscal years 1967-77

[Millions of dollars]

Fiscal year	Total	Research		Development	R&D plant
		Basic	Applied		
1967	17,149	1,728	2,965	11,836	620
1969	16,310	1,779	2,956	10,906	669
1971	16,175	1,779	3,720	10,064	611
1973	17,596	2,001	3,914	10,908	774
1975	19,865	2,146	4,783	12,115	821
1976 (estimated)	22,513	2,345	5,223	14,056	888
1977 (estimated)	24,727	2,519	5,331	15,637	1,239

Source: National Science Foundation.

Table C-117. Federal obligations for total research, by selected agency: selected fiscal years 1967-77

(Millions of dollars)

Agency	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	4,693	4,735	5,500	5,915	6,929	7,568	7,851
Department of Agriculture	237	251	292	354	402	458	481
Department of Commerce	51	56	114	130	144	159	165
Department of Defense	1,591	1,412	1,613	1,755	1,793	1,850	2,011
Department of Health, Education, and Welfare	1,082	1,174	1,302	1,459	1,926	2,129	2,063
Department of the Interior	143	164	139	160	218	252	240
Department of Transportation	45	57	97	77	54	55	56
Atomic Energy Commission	392	417	429	425	-	-	-
Energy Research and Development Administration	-	-	-	-	593	696	749
Environmental Protection Agency	-	-	54	74	142	177	140
National Aeronautics and Space Administration	799	803	923	794	787	821	859
National Science Foundation	241	258	318	464	570	606	703
Nuclear Regulatory Commission	-	-	-	-	64	101	114
Veterans Administration	40	50	62	70	87	91	89
All others	72	93	157	153	149	173	181

Source: National Science Foundation.

Table C-118. Federal obligations for basic research, by selected agency: selected fiscal years 1967-77

(Millions of dollars)

Agency	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	1,728	1,779	1,779	2,001	2,146	2,345	2,519
Department of Agriculture	100	107	118	143	154	177	186
Department of Defense	284	276	262	258	236	255	292
Department of Health, Education, and Welfare	372	371	397	458	592	670	671
Atomic Energy Commission	302	245	277	275	-	-	-
Energy Research and Development Administration	-	-	-	-	247	274	289
National Aeronautics and Space Administration	328	380	327	350	242	244	256
National Science Foundation	239	248	273	392	486	530	631
All others	103	112	125	125	189	195	194

Source: National Science Foundation.

Table C-119. Federal obligations for applied research, by selected agency: selected fiscal years 1967-77

(Millions of dollars)

Agency	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	2,965	2,956	3,720	3,914	4,783	5,223	5,331
Department of Agriculture	137	145	174	211	248	281	295
Department of Commerce	27	29	72	114	124	140	145
Department of Defense	1,307	1,135	1,351	1,497	1,558	1,595	1,720
Department of Health, Education, and Welfare	710	803	905	1,001	1,334	1,458	1,392
Department of the Interior	91	109	86	93	108	139	132
Department of Transportation	45	57	97	77	54	55	56
Atomic Energy Commission	90	132	152	150	-	-	-
Energy Research and Development Administration	-	-	-	-	346	422	460
Environmental Protection Agency	-	-	48	65	124	158	123
National Aeronautics and Space Administration	471	423	595	444	545	577	603
National Science Foundation	3	11	46	72	84	77	72
Nuclear Regulatory Commission	-	-	-	-	64	101	114
Veterans Administration	35	43	59	67	83	87	85
All others	50	69	135	123	111	133	134

Source: National Science Foundation.

Table C-120. Federal obligations for development, by selected agency: selected fiscal years 1967-77

(Millions of dollars)

Agency	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	11,836	10,906	10,064	10,906	12,116	14,056	15,637
Department of Defense	6,458	6,284	5,896	6,649	7,219	8,055	9,214
Atomic Energy Commission	866	989	874	938	-	-	-
Energy Research and Development Administration	-	-	-	-	1,479	2,108	2,531
National Aeronautics and Space Administration	4,068	3,161	2,335	2,267	2,277	2,627	2,688
All others	444	472	959	1,052	1,140	1,266	1,204

Source: National Science Foundation.

Table C-121. Federal obligations for research and development, by performer: fiscal years 1967-77

/Millions of dollars/

Performer	1967	1968	1969	1970	1971	1972	1973	1974	1975	Estimates 1976	Estimates 1977
Total	16,529	15,921	15,641	15,340	15,564	16,512	16,821	17,438	19,044	21,625	23,488
Federal intramural[a]	3,396	3,493	3,503	3,855	4,156	4,482	4,619	4,815	5,395	5,923	6,060
Industrial firms[b]	10,262	9,461	9,131	8,415	8,135	8,355	8,457	8,438	9,114	10,776	12,308
Universities and colleges	1,454	1,482	1,529	1,473	1,644	1,902	1,916	2,215	2,403	2,569	2,643
FFRDC's administered by universities	666	714	722	751	729	761	725	789	935	1,065	1,175
Other nonprofit institutions[b]	624	618	605	707	696	746	784	902	938	973	974
All other performers	127	154	151	140	204	266	321	280	260	318	327

[a] Federal intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[b] Includes Federally Funded Research and Development Centers (FFRDC's) administered by this sector.

Source: National Science Foundation.

Table C-122. Federal obligations for total research, by performer: selected fiscal years 1967-77

/Millions of dollars/

Performer	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	4,693	4,735	5,500	5,915	6,929	7,568	7,851
Federal intramural[a]	1,468	1,656	1,899	2,096	2,412	2,591	2,676
Industrial firms[b]	1,121	969	1,255	1,283	1,408	1,590	1,697
Universities and colleges	1,333	1,359	1,469	1,672	2,105	2,260	2,324
FFRDC's administered by universities	355	335	359	355	421	477	508
Other nonprofit institutions	315	292	365	381	455	498	493
All other performers	101	123	153	128	128	154	152

[a] Federal intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[b] Includes Federally Funded Research and Development Centers (FFRDC's) administered by this sector.

Source: National Science Foundation.

Table C-123. Federal obligations for basic research, by performer: selected fiscal years 1967-77

/Millions of dollars/

Performer	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	1,728	1,779	1,779	2,001	2,145	2,345	2,519
Federal intramural[a]	418	516	491	537	645	692	727
Industrial firms[b]	202	211	181	213	105	125	162
Universities and colleges	769	740	777	909	1,065	1,156	1,243
FFRDC's administered by universities	204	219	228	229	205	231	240
Other nonprofit institutions[b]	108	71	75	87	102	113	117
All other performers	27	22	27	26	24	28	30

[a] Federal intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[b] Includes Federally Funded Research and Development Centers (FFRDC's) administered by this sector.

Source: National Science Foundation.

Table C-124. Federal obligations for applied research by performer: selected fiscal years 1967-77

/Millions of dollars/

Performer	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	2,965	2,956	3,720	3,914	4,783	5,223	5,331
Federal intramural[a]	1,050	1,140	1,408	1,559	1,768	1,898	1,949
Industrial firms[b]	919	759	1,073	1,071	1,303	1,465	1,535
Universities and colleges	563	620	692	763	1,039	1,103	1,081
FFRDC's administered by universities	151	116	131	126	216	246	268
Other nonprofit institutions[b]	207	221	291	294	354	385	376
All other performers	74	101	126	101	104	126	122

[a] Federal intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[b] Includes Federally Funded Research and Development Centers (FFRDC's) administered by this sector.

Source: National Science Foundation.

Table C-125. Federal obligations for development by performer: selected fiscal years 1967-77

[Millions of dollars]

Performer	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total	11,836	10,906	10,064	10,906	12,115	14,056	15,637
Federal intramural[a]	1,928	1,847	2,257	2,523	2,983	3,333	3,384
Industrial firms[b]	9,142	8,161	6,880	7,173	7,706	9,186	10,611
Universities and colleges	122	170	175	244	298	309	319
FFRDC's administered by universities[b]	311	387	370	370	514	588	667
Other nonprofit institutions[b]	308	313	330	403	482	476	481
All other performers	25	28	51	194	132	165	175

[a] Federal intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
[b] Includes Federally Funded Research and Development Centers (FFRDC's administered by this sector.

Source: National Science Foundation.

Table C-126. Federal obligations for total research, by field of science: selected fiscal years 1967-77

[Millions of dollars]

Field of science	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total, all fields	4,693	4,735	5,500	5,915	6,929	7,568	7,851
Life sciences	1,403	1,462	1,636	1,954	2,450	2,709	2,698
Psychology	108	101	115	116	134	133	137
Physical sciences	960	1,002	874	944	1,025	1,104	1,194
Environmental sciences	382	436	527	578	653	693	745
Mathematics	130	113	119	124	136	143	155
Engineering	1,426	1,326	1,824	1,712	2,041	2,210	2,306
Social sciences	188	214	304	296	303	364	383
Other sciences	95	80	100	190	187	214	233

Source: National Science Foundation.

Table C-127. Federal obligations for basic research, by field of science: selected fiscal years 1967-77

[Millions of dollars]

Field of science	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total, all fields	1,728	1,779	1,779	2,001	2,146	2,345	2,519
Life sciences	573	539	570	665	776	877	909
Psychology	60	53	48	51	48	51	53
Physical sciences	605	662	582	618	616	660	718
Environmental sciences	209	235	280	299	331	357	390
Mathematics	65	56	51	57	59	62	71
Engineering	156	151	169	204	228	238	266
Social sciences	57	71	70	78	73	87	99
Other sciences	4	11	9	28	15	13	14

Source: National Science Foundation.

Table C-128. Federal obligations for applied research, by field of science: selected fiscal years 1967-77

[Millions of dollars]

Field of science	1967	1969	1971	1973	1975	Estimates 1976	Estimates 1977
Total, all fields	2,965	2,956	3,720	3,914	4,783	5,223	5,331
Life sciences	830	923	1,066	1,289	1,674	1,832	1,790
Psychology	48	48	67	66	85	82	84
Physical sciences	355	340	292	326	409	444	476
Environmental sciences	173	201	247	279	322	336	355
Mathematics	65	57	68	67	78	81	84
Engineering	1,271	1,175	1,655	1,507	1,813	1,971	2,040
Social sciences	131	143	234	218	231	277	284
Other sciences	92	69	91	162	172	200	219

Source: National Science Foundation.

Table C-129. Federal obligations for research and development, by geographic division and State: fiscal years 1965, 1968, 1969, 1970, 1971, 1972, 1973, 1974, and 1975

/Millions of dollars/

Division and State	1965	1968	1969	1970	1971	1972	1973	1974	1975
United States, total	14,356.8	15,690.2	15,354.6	14,980.8	15,239.8	16,261.8	16,486.1	16,990.7	18,549.0
New England	992.7	1,009.4	1,085.7	1,000.8	1,148.8	1,259.8	1,264.4	1,561.8	1,651.2
Connecticut	184.5	133.2	223.6	160.0	149.9	169.2	193.9	233.7	269.9
Maine	4.3	6.0	14.3	13.3	13.6	16.3	9.6	10.5	11.8
Massachusetts	733.7	795.7	775.0	760.9	887.0	961.2	953.6	1,188.3	1,229.3
New Hampshire	28.8	36.6	31.0	27.3	34.0	21.5	30.6	29.3	33.6
Rhode Island	37.5	31.1	32.8	29.9	50.5	68.9	59.3	74.9	75.0
Vermont	4.0	6.8	9.0	9.5	13.7	22.8	17.5	25.1	31.5
Middle Atlantic	2,228.6	2,473.4	2,436.1	2,516.9	2,413.5	2,481.0	2,206.7	2,160.2	2,276.9
New Jersey	410.7	681.8	708.9	742.5	745.1	763.1	645.2	473.8	442.2
New York	1,289.3	1,174.9	1,107.0	1,235.6	1,119.5	1,075.6	932.6	1,026.3	1,059.6
Pennsylvania	528.7	616.7	620.3	538.8	548.9	642.3	628.8	660.1	775.2
East North Central	923.7	1,294.0	1,044.3	1,038.8	1,121.7	1,179.6	1,082.8	1,263.8	1,377.0
Illinois	191.7	239.3	251.2	239.6	249.1	291.0	287.6	325.4	371.6
Indiana	71.9	82.9	108.8	91.9	74.6	100.5	82.9	95.0	92.8
Michigan	155.2	203.4	167.4	162.8	187.3	186.3	153.8	196.6	248.1
Ohio	379.1	653.6	432.6	457.3	518.1	521.7	478.8	567.3	585.5
Wisconsin	125.8	114.8	84.2	87.1	92.6	80.1	79.6	79.6	79.0
West North Central	408.7	321.1	328.5	475.4	786.0	906.0	830.8	607.4	571.5
Iowa	28.8	41.7	34.2	32.7	32.9	37.9	38.5	46.5	47.5
Kansas	25.7	19.8	39.6	16.6	24.3	31.3	30.4	29.4	32.9
Minnesota	106.3	111.1	89.3	109.3	102.8	127.0	120.2	106.9	123.1
Missouri	231.7	121.1	141.9	291.2	596.9	679.5	608.1	387.0	329.1
Nebraska	7.7	15.4	11.3	10.6	10.4	11.7	13.4	14.7	20.0
North Dakota	5.0	6.0	6.8	8.9	9.1	10.5	9.5	10.5	12.6
South Dakota	3.5	6.0	5.4	6.1	9.6	8.1	10.7	12.4	6.4
South Atlantic	2,154.9	2,819.7	2,961.3	2,899.2	3,224.6	3,560.6	3,706.2	3,752.8	3,992.2
Delaware	7.1	13.9	16.1	16.3	13.0	17.4	40.8	10.4	10.0
District of Columbia	374.3	443.2	444.3	468.5	478.2	462.1	490.0	552.3	581.3
Florida	459.8	799.1	884.5	824.8	890.4	1,022.5	952.0	783.2	797.0
Georgia	58.4	280.7	276.8	72.3	78.8	71.9	66.8	70.9	80.9
Maryland	876.6	905.9	961.8	1,063.4	1,201.2	1,318.1	1,434.8	1,528.9	1,609.3
North Carolina	57.8	62.4	58.5	63.9	82.7	83.3	101.9	110.0	117.2
South Carolina	17.1	18.7	17.1	17.8	23.4	26.3	23.7	28.8	24.5
Virginia	284.2	275.2	286.3	352.7	424.9	529.6	567.9	642.3	726.1
West Virginia	19.6	20.6	16.0	19.6	32.1	29.4	28.2	25.9	46.0
East South Central	628.3	655.3	597.5	599.7	618.2	638.9	681.5	726.7	770.6
Alabama	370.7	405.7	358.4	357.2	360.0	359.0	376.5	377.4	363.9
Kentucky	17.1	24.1	21.4	20.4	23.0	32.1	38.1	31.3	35.0
Mississippi	36.7	26.5	26.0	28.3	46.7	60.6	57.5	76.3	57.8
Tennessee	203.8	199.1	191.6	193.8	188.5	187.1	209.5	241.7	314.4
West South Central	1,143.1	1,188.9	894.3	834.9	733.1	798.9	794.0	772.1	872.7
Arkansas	6.6	8.1	7.4	9.8	20.8	13.2	16.6	14.2	23.4
Louisiana	377.1	272.4	171.8	146.5	90.1	103.6	91.6	75.7	101.7
Oklahoma	28.4	24.0	20.1	29.5	26.3	29.1	34.8	29.9	34.3
Texas	731.0	884.4	695.0	649.1	595.9	653.0	651.0	652.2	713.4
Mountain	990.1	1,093.6	1,136.7	1,136.8	1,127.4	1,214.4	1,290.6	1,213.0	1,274.8
Arizona	76.6	71.4	79.2	72.8	88.7	89.9	94.8	99.5	115.7
Colorado	212.3	265.3	264.4	274.1	264.2	369.1	410.8	323.3	266.8
Idaho	63.6	65.6	69.6	75.0	75.3	75.9	81.8	52.2	66.3
Montana	8.6	8.3	8.3	11.6	17.6	19.0	19.9	13.6	26.6
Nevada	154.5	223.6	232.3	190.9	159.0	140.3	143.1	112.5	149.4
New Mexico	425.3	413.3	426.3	444.1	458.7	451.5	462.8	532.0	554.3
Utah	45.0	39.7	49.8	61.1	55.8	58.9	66.7	68.7	79.6
Wyoming	4.2	6.4	4.8	7.2	8.1	9.9	10.7	11.0	16.0
Pacific	4,849.0	4,774.3	4,813.5	4,404.1	4,004.9	4,158.2	4,562.0	4,864.3	5,689.5
Alaska	14.4	61.8	68.6	43.2	58.2	46.0	41.8	25.3	34.6
California	4,553.3	4,298.6	4,289.8	3,871.1	3,295.4	3,473.1	3,840.1	4,075.7	4,838.8
Hawaii	41.5	35.0	37.7	43.8	38.3	47.4	47.9	53.1	43.0
Oregon	25.6	35.0	36.1	33.8	41.9	53.7	64.3	59.9	78.6
Washington	214.3	343.9	381.2	412.2	571.2	537.9	567.9	650.4	694.5
Outlying areas	9.2	12.8	11.6	17.3	18.6	18.4	19.7	19.6	28.7
Offices abroad	28.5	47.6	45.1	56.8	42.9	46.1	24.1	49.1	43.9

Table C-30. Federal obligations for R&D plant, by geographic division and State: fiscal years 1965, 1968, 1969, 1970, 1971, 1972, 1973, 1974, and 1975

(Millions of dollars)

Division and State	1965	1968	1969	1970	1971	1972	1973	1974	1975
United States, total	1,111.4	599.8	663.6	519.6	586.0	595.6	757.5	749.8	801.0
New England	38.5	55.9	28.3	15.0	15.7	24.5	15.5	17.7	22.7
Connecticut	6.5	8.8	1.4	2.8	1.5	2.7	2.4	5.2	3.8
Maine	.2	.1	.1	.1	-	.4	*	.2	*
Massachusetts	27.8	45.2	25.5	10.7	9.7	16.1	8.4	9.5	11.0
New Hampshire	.1	.6	.1	*	2.0	1.5	.4	1.1	2.9
Rhode Island	1.5	.9	.9	1.3	2.1	2.8	4.2	.7	4.9
Vermont	2.3	.2	.4	*	.4	1.1	.1	1.0	-
Middle Atlantic	127.7	73.6	76.1	51.5	55.7	74.1	99.7	101.4	76.8
New Jersey	27.7	11.7	7.8	5.6	5.0	11.9	5.3	2.5	11.5
New York	66.8	43.7	43.7	26.7	33.9	21.9	81.8	77.1	46.4
Pennsylvania	33.2	18.2	24.6	19.2	16.8	37.3	12.6	21.8	18.9
East North Central	80.7	62.1	86.4	119.9	100.1	85.5	129.7	69.7	48.3
Illinois	32.4	31.4	42.0	94.7	85.2	68.1	84.3	42.9	29.6
Indiana	3.9	3.6	.9	.4	.8	.5	.3	.1	.1
Michigan	2.9	3.3	5.1	3.8	.9	2.9	4.8	.2	.6
Ohio	35.8	20.7	32.8	20.3	10.1	13.0	39.1	19.6	15.1
Wisconsin	5.7	3.1	5.7	.6	3.1	1.0	1.1	6.9	2.9
West North Central	17.6	14.2	12.7	9.3	10.8	8.1	4.7	26.9	5.8
Iowa	3.0	7.3	1.8	1.2	1.5	.8	1.1	.5	.7
Kansas	.9	.7	3.9	.1	.2	.1	.2	.1	*
Minnesota	9.1	3.3	1.1	.8	4.1	1.3	.5	23.4	.1
Missouri	2.9	.7	1.3	4.2	2.2	.7	.3	.8	4.1
Nebraska	1.9	1.1	3.5	.9	1.2	1.6	1.0	1.5	.4
North Dakota	.6	.5	.6	.1	.1	.5	.1	.2	.4
South Dakota	.2	.8	.5	2.1	1.5	3.1	1.5	.4	-
South Atlantic	249.9	157.2	115.7	72.3	77.0	114.1	142.9	140.5	173.7
Delaware	.1	.5	*	*	-	*	*	.1	.1
District of Columbia	3.8	14.5	8.3	6.4	5.1	9.0	31.5	1.1	7.9
Florida	181.1	76.9	57.5	33.2	30.8	47.7	40.1	51.7	96.0
Georgia	5.2	4.0	2.3	2.0	2.3	1.8	.7	.1	.5
Maryland	38.9	36.6	30.6	20.3	29.7	36.1	51.4	60.8	40.1
North Carolina	3.9	3.6	4.5	3.1	.4	6.0	4.8	4.1	.3
South Carolina	2.0	1.5	3.2	1.8	1.3	1.2	3.4	7.7	3.8
Virginia	13.3	15.8	4.0	3.5	7.0	11.3	7.0	14.0	23.1
West Virginia	1.4	3.7	5.3	1.9	.4	.9	4.2	.8	1.9
East South Central	138.9	18.0	30.7	16.8	18.3	27.7	55.4	54.7	52.5
Alabama	65.8	2.2	6.2	1.8	3.9	6.7	5.1	5.6	8.4
Kentucky	.9	.3	.4	.8	.3	.1	*	.2	-
Mississippi	36.9	3.7	.2	.8	.4	.4	13.0	15.2	4.8
Tennessee	35.3	11.7	24.0	13.4	13.7	20.5	37.4	33.6	39.3
West South Central	91.7	17.3	8.0	9.4	11.7	11.2	11.9	8.2	8.9
Arkansas	.4	.2	-	.1	*	.1	.2	.4	.7
Louisiana	10.8	1.5	.5	1.1	5.1	.5	.4	1.6	.3
Oklahoma	3.3	.2	.9	.1	.1	.2	.1	.1	.3
Texas	77.3	15.3	6.5	8.1	6.5	10.4	11.1	6.1	7.6
Mountain	124.2	77.8	135.3	112.4	102.4	84.1	95.5	86.2	104.9
Arizona	9.4	10.9	2.0	1.6	1.3	2.3	.5	3.6	1.3
Colorado	8.2	2.8	4.3	5.2	8.2	16.2	21.9	7.9	4.9
Idaho	33.0	8.8	31.0	23.0	20.3	5.4	6.3	11.0	16.2
Montana	.2	.2	.5	*	.5	.1	.1	.1	.3
Nevada	24.7	11.0	17.1	17.2	16.9	17.5	14.4	9.2	11.7
New Mexico	46.1	43.2	77.5	63.6	54.1	41.6	51.6	50.3	68.1
Utah	2.0	.8	2.9	1.0	.6	1.0	.5	4.1	2.1
Wyoming	.6	.1	.1	.6	.4	*	.2	*	.3
Pacific	218.4	114.9	145.0	104.4	178.3	156.3	176.7	243.8	305.9
Alaska	5.1	2.1	3.0	.5	1.4	.7	.5	.1	.9
California	189.5	92.2	121.2	85.9	119.8	123.4	128.0	141.1	151.1
Hawaii	2.1	3.7	.8	.5	2.2	.9	.4	.4	6.2
Oregon	4.6	2.4	1.5	2.3	1.2	1.2	.1	.1	1.2
Washington	17.1	14.6	18.6	15.3	53.7	30.2	47.8	102.1	146.5
Outlying areas	17.7	7.2	4.6	3.5	5.2	1.8	1.4	.6	.5
Offices abroad	6.3	1.6	20.7	5.3	10.8	8.2	24.1	.2	1.1

APPENDIX D

Statistical Tables Part II

Federal Funds for Scientific and Technical Information

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NOTES

- Estimates for 1977 are based on *The Budget, FY 1977*, as submitted to Congress, and do not reflect subsequent appropriations and apportionment actions.
- Obligations reported for extramural performance are limited to contracts or grants with private individuals or organizations outside the Government that have as their primary purpose the accomplishment of scientific or technical information functions. Excluded are obligations for information efforts that supplement or support work under R&D contracts or grants.
- Obligations for Research and Development in Information Sciences, Documentation and Information Systems, Techniques and Devices, are also reported under R&D obligations in part I.
- Defense Agencies include the Defense Advanced Research Projects Agency, the Defense Nuclear Agency, the Defense Supply Agency, and the Defense Communications Agency.
- Within the Department of Commerce data formerly reported under the Social and Economic Statistics Administration are now reported under the Bureau of the Census.
- Within the Department of Labor the former Manpower Administration has been renamed the Employment and Training Administration.

TABLE D-1. SUMMARY OF FEDERAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

ACTIVITY	ACTUAL, 1975			ESTIMATES					
				1976			1977		
	TOTAL	INTRA-MURAL	EXTRA-MURAL	TOTAL	INTRA-MURAL	EXTRA-MURAL	TOTAL	INTRA-MURAL	EXTRA-MURAL
TOTAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION	398,000	265,452	132,608	430,346	290,824	139,522	445,576	301,845	143,731
PUBLICATION AND DISTRIBUTION	123,277	102,998	20,279	137,914	116,646	21,268	140,489	118,857	21,632
PRIMARY PUBLICATION AND DISTRIBUTION	89,018	76,357	12,661	75,584	62,474	13,090	77,506	64,129	13,377
PATENT EXAMINATION	45,980	43,795	1,685	48,547	46,890	1,657	48,913	47,151	1,762
SECONDARY AND TERTIARY PUBLICATION AND DISTRIBUTION	6,399	2,834	3,565	6,912	3,092	3,820	7,044	3,283	3,761
SUPPORT OF PUBLICATIONS	8,380	4,012	2,368	8,891	4,190	2,701	7,026	4,294	2,732
DOCUMENTATION, REFERENCE AND INFORMATION SERVICES	179,227	132,469	46,758	192,021	141,449	50,572	202,131	148,203	53,928
LIBRARY, REFERENCE, AND REFERRAL	123,345	105,130	17,235	129,162	110,741	18,421	138,907	117,892	21,015
NETWORKING FOR LIBRARIES AND DOCUMENTATION CENTERS	3,425	3,926	1,499	6,182	4,262	1,922	6,898	4,541	2,357
SPECIALIZED INFORMATION CENTERS	44,951	21,425	23,526	51,307	24,370	26,937	51,218	23,791	27,427
NETWORKING FOR SPECIALIZED INFORMATION CENTERS	4,459	1,459	2,900	1,593	1,235	358	1,553	1,204	349
TRANSLATIONS	6,327	749	1,598	3,777	843	2,934	3,555	775	2,780
SYMPOSIA AND AUDIOVISUAL MEDIA	23,760	17,003	6,757	25,504	18,609	6,895	26,771	19,493	7,278
SYMPOSIA AND TECHNICAL MEETINGS	15,254	10,069	5,185	16,497	11,128	5,369	17,402	11,718	5,684
AUDIOVISUAL MEDIA AND OTHER FORMS OF NONPRINTED COMMUNICATION	8,506	6,934	1,572	9,007	7,481	1,526	9,369	7,775	1,594
RESEARCH AND DEVELOPMENT IN INFORMATION SCIENCES, DOCUMENTATION AND INFORMATION SYSTEMS, TECHNIQUES AND DEVICES	71,796	12,982	58,814	74,907	14,123	60,787	76,185	15,292	60,893

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-2. FEDERAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1975	ESTIMATES	
		1976	1977
TOTAL, ALL AGENCIES	396,060	430,346	445,576
DEPARTMENTS			
DEPARTMENT OF AGRICULTURE, TOTAL	14,409	15,531	16,972
AGRICULTURAL RESEARCH SERVICE	3,515	4,743	4,476
COOPERATIVE STATE RESEARCH SERVICE	249	217	217
ECONOMIC RESEARCH SERVICE	1,063	1,074	1,074
FARMER COOPERATIVE SERVICE	53	85	85
FOREST SERVICE	4,636	4,826	5,081
NATIONAL AGRICULTURAL LIBRARY	4,888	5,581	6,034
STATISTICAL REPORTING SERVICE	5	5	5
DEPARTMENT OF COMMERCE, TOTAL	95,921	107,806	109,690
BUREAU OF THE CENSUS	474	616	654
NATIONAL BUREAU OF STANDARDS	8,042	8,468	8,667
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	20	70	70
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	4,318	5,407	5,706
NATIONAL TECHNICAL INFORMATION SERVICE	9,712	12,196	12,866
OFFICE OF TELECOMMUNICATIONS	37	48	80
PATENT AND TRADEMARK OFFICE	73,346	81,031	81,847
DEPARTMENT OF DEFENSE, TOTAL	86,734	95,523	99,875
DEPARTMENT OF THE ARMY	4,145	5,570	5,554
DEPARTMENT OF THE NAVY	18,250	22,227	20,272
DEPARTMENT OF THE AIR FORCE	12,191	12,632	13,188
DEFENSE AGENCIES	52,148	57,094	59,861
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	79,509	78,281	84,470
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	5,107	4,641	4,388
CENTER FOR DISEASE CONTROL	2,323	2,380	2,542
FOOD AND DRUG ADMINISTRATION	4,349	4,360	4,360
HEALTH RESOURCES ADMINISTRATION	3,935	625	615
NATIONAL INSTITUTES OF HEALTH	63,314	65,573	71,914
SOCIAL SECURITY ADMINISTRATION	485	702	653
DEPARTMENT OF THE INTERIOR, TOTAL	24,797	30,496	30,330
BUREAU OF MINES	800	800	800
BUREAU OF OUTDOOR RECREATION	50	50	50
BUREAU OF RECLAMATION	590	720	800
GEOLOGICAL SURVEY	19,321	24,387	23,846
NATIONAL PARK SERVICE	201	315	315
NATIONAL RESOURCES LIBRARY	1,945	2,142	2,264
OFFICE OF WATER RESEARCH AND TECHNOLOGY	940	986	1,100
UNITED STATES FISH AND WILDLIFE SERVICE	950	1,096	1,133
DEPARTMENT OF JUSTICE, TOTAL	2,385	2,355	2,810
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	2,385	2,355	2,810
DEPARTMENT OF LABOR, TOTAL	582	592	592
EMPLOYMENT AND TRAINING ADMINISTRATION	512	512	512
OFFICE OF THE SECRETARY	70	80	80
DEPARTMENT OF STATE, TOTAL	2,181	2,025	2,281
DEPARTMENTAL FUNDS	231	225	226
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,950	1,800	2,055
DEPARTMENT OF TRANSPORTATION, TOTAL	4,747	4,760	4,760
FEDERAL AVIATION ADMINISTRATION	149	190	190
FEDERAL HIGHWAY ADMINISTRATION	625	625	625
FEDERAL RAILROAD ADMINISTRATION	75	75	75
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	1,265	1,265	1,265
OFFICE OF THE SECRETARY	1,875	1,900	1,900
UNITED STATES COAST GUARD	555	500	500
URBAN MASS TRANSPORTATION ADMINISTRATION	203	205	205
OTHER AGENCIES			
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	141	182	166
CONSUMER PRODUCT SAFETY COMMISSION	1,600	1,650	1,900
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	6,049	7,333	8,220
ENVIRONMENTAL PROTECTION AGENCY	3,237	3,118	3,051
FEDERAL COMMUNICATIONS COMMISSION	18	20	20
FEDERAL HOME LOAN BANK BOARD	30	34	35
LIBRARY OF CONGRESS	24,238	26,823	26,910
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	29,222	29,315	26,872
NATIONAL SCIENCE FOUNDATION	7,122	7,748	7,675
NUCLEAR REGULATORY COMMISSION	440	445	465
OFFICE OF TELECOMMUNICATIONS POLICY	105	98	113
SMITHSONIAN INSTITUTION	5,670	6,258	6,190
TENNESSEE VALLEY ALTHORITY	120	140	150
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	112	123	125
VETERANS ADMINISTRATION	6,595	6,690	6,795

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-3. FEDERAL INTRAMURAL AND EXTRAMURAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY: FISCAL YEARS 1975, 1976, AND 1977

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	INTRAMURAL			EXTRAMURAL		
	ACTUAL, 1975	ESTIMATES		ACTUAL, 1975	ESTIMATES	
		1976	1977		1976	1977
TOTAL, ALL AGENCIES	265,452	290,624	301,845	132,606	139,522	143,731
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	14,172	15,150	15,816	237	1,381	1,156
AGRICULTURAL RESEARCH SERVICE	3,515	3,641	3,676	-	1,102	800
COOPERATIVE STATE RESEARCH SERVICE	249	217	217	-	-	-
ECONOMIC RESEARCH SERVICE	1,063	1,074	1,074	-	-	-
FARMER COOPERATIVE SERVICE	53	85	85	-	-	-
FOREST SERVICE	4,536	4,826	5,081	-	-	-
NATIONAL AGRICULTURAL LIBRARY	4,051	5,302	5,678	237	279	356
STATISTICAL REPORTING SERVICE	5	5	5	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	94,488	106,153	108,192	1,433	1,653	1,698
BUREAU OF THE CENSUS	454	595	632	20	21	22
NATIONAL BUREAU OF STANDARDS	7,521	7,868	8,047	491	600	620
NATIONAL FIRE PREVENTION AND CONTROL ADMINISTRATION	20	70	70	-	-	-
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	3,404	4,379	4,660	914	1,028	1,046
NATIONAL TECHNICAL INFORMATION SERVICE	9,712	12,196	12,866	-	-	-
OFFICE OF TELECOMMUNICATIONS	29	44	70	8	4	10
PATENT AND TRADEMARK OFFICE	73,348	81,001	81,847	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	31,758	35,135	35,456	54,976	60,338	59,419
DEPARTMENT OF THE ARMY	4,587	5,283	5,344	1,558	2,287	2,210
DEPARTMENT OF THE NAVY	8,907	9,563	9,858	9,343	10,664	10,414
DEPARTMENT OF THE AIR FORCE	7,864	8,417	8,895	4,327	4,215	4,293
DEFENSE AGENCIES	12,400	13,972	13,359	39,748	43,172	42,502
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, TOTAL	34,300	34,896	36,306	45,209	43,385	46,164
ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION	1,763	1,134	1,191	3,844	3,487	3,195
CENTER FOR DISEASE CONTROL	1,825	1,897	1,999	498	483	543
FOOD AND DRUG ADMINISTRATION	3,098	3,100	3,100	1,247	1,260	1,260
HEALTH RESOURCES ADMINISTRATION	367	131	122	3,568	494	493
NATIONAL INSTITUTES OF HEALTH	27,262	27,912	31,241	36,052	37,661	40,673
SOCIAL SECURITY ADMINISTRATION	985	702	653	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	24,197	29,804	29,571	600	692	759
BUREAU OF MINES	800	800	800	-	-	-
BUREAU OF OUTDOOR RECREATION	50	50	50	-	-	-
BUREAU OF RECLAMATION	585	690	775	5	30	25
GEOLOGICAL SURVEY	19,321	24,387	23,846	-	-	-
NATIONAL PARK SERVICE	106	611	611	95	104	104
NATIONAL RESOURCES LIBRARY	1,945	2,143	2,284	-	-	-
OFFICE OF WATER RESEARCH AND TECHNOLOGY	640	673	730	300	313	370
UNITED STATES FISH AND WILDLIFE SERVICE	750	850	875	200	245	260
DEPARTMENT OF JUSTICE, TOTAL	384	650	600	2,001	1,705	2,210
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION	384	650	600	2,001	1,705	2,210
DEPARTMENT OF LABOR, TOTAL	326	336	336	256	256	256
EMPLOYMENT AND TRAINING ADMINISTRATION	256	256	256	256	256	256
OFFICE OF THE SECRETARY	70	80	80	-	-	-
DEPARTMENT OF STATE, TOTAL	1,811	1,845	1,861	370	200	420
DEPARTMENTAL FUNDS	231	225	226	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,580	1,620	1,635	370	200	420
DEPARTMENT OF TRANSPORTATION, TOTAL	2,094	2,140	2,140	2,653	2,620	2,620
FEDERAL AVIATION ADMINISTRATION	104	120	120	45	70	70
FEDERAL HIGHWAY ADMINISTRATION	260	260	260	365	365	365
FEDERAL RAILROAD ADMINISTRATION	-	-	-	75	75	75
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	40	45	45	1,225	1,220	1,220
OFFICE OF THE SECRETARY	1,315	1,540	1,540	360	360	360
UNITED STATES COAST GUARD	105	100	100	450	400	400
URBAN MASS TRANSPORTATION ADMINISTRATION	70	75	75	133	130	130
OTHER AGENCIES						
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	141	182	166	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	450	450	500	1,150	1,200	1,300
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION	3,758	4,039	4,264	2,287	3,294	3,966
ENVIRONMENTAL PROTECTION AGENCY	2,557	2,440	2,427	680	678	623
FEDERAL COMMUNICATIONS COMMISSION	16	20	20	-	-	-
FEDERAL HOME LOAN BANK BOARD	30	34	35	-	-	-
LIBRARY OF CONGRESS	31,238	32,823	30,910	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	12,290	12,652	13,129	12,032	12,663	13,743
NATIONAL SCIENCE FOUNDATION	403	412	378	6,719	7,336	7,297
NUCLEAR REGULATORY COMMISSION	350	354	360	90	91	105
OFFICE OF TELECOMMUNICATIONS POLICY	75	88	98	30	10	15
SMITHSONIAN INSTITUTION	3,865	4,314	4,290	1,805	1,944	1,900
TENNESSEE VALLEY AUTHORITY	120	140	150	-	-	-
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	112	123	125	-	-	-
VETERANS ADMINISTRATION	6,515	6,619	6,715	80	76	80

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-4. FEDERAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY AND ACTIVITY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	PUBLICATION & DISTRIBUTION	DOCUMENTATION, REFERENCE, & INFORMATION SERVICES	SYMPOSIA & AUDIOVISUAL MEDIA	RESEARCH & DEVELOPMENT IN INFORMATION SCIENCES
TOTAL, ALL AGENCIES	398,060	123,277	179,227	23,760	71,796
DEPARTMENTS					
DEPARTMENT OF AGRICULTURE, TOTAL	14,409	5,301	6,392	2,690	26
AGRICULTURAL RESEARCH SERVICE	3,515	1,989	784	742	-
COOPERATIVE STATE RESEARCH SERVICE	249	19	-	228	2
ECONOMIC RESEARCH SERVICE	1,063	938	47	78	-
FARMER COOPERATIVE SERVICE	53	53	-	-	-
FOREST SERVICE	4,635	2,201	732	1,625	18
NATIONAL AGRICULTURAL LIBRARY	4,888	36	4,829	15	6
STATISTICAL REPORTING SERVICE	5	3	-	2	-
DEPARTMENT OF COMMERCE, TOTAL	99,921	66,421	29,797	1,345	3,358
BUREAU OF THE CENSUS	474	39	161	58	216
NATIONAL BUREAU OF STANDARDS	8,012	857	3,788	908	2,459
NATIONAL FIRE PREV & CONTROL ADMIN	20	-	20	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	4,318	2,220	1,584	371	183
NATIONAL TECHNICAL INFO SERVICE	9,712	7,592	2,120	-	-
OFFICE OF TELECOMMUNICATIONS	37	29	-	8	-
PATENT & TRADEMARK OFFICE	73,348	55,704	17,144	-	500
DEPARTMENT OF DEFENSE, TOTAL	80,739	11,047	29,791	7,554	32,342
DEPARTMENT OF THE ARMY	4,149	948	669	356	2,176
DEPARTMENT OF THE NAVY	18,450	5,185	5,337	5,802	2,926
DEPARTMENT OF THE AIR FORCE	12,191	4,633	3,730	3,038	2,790
DEFENSE AGENCIES	52,148	1,281	15,055	306	25,450
DEPT OF HEALTH, ED, & WELFARE, TOTAL	79,509	10,319	47,932	5,118	15,040
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	5,107	1,332	2,650	900	25
CENTER FOR DISEASE CONTROL	2,323	904	998	421	-
FOOD AND DRUG ADMINISTRATION	4,345	1,259	2,052	439	-
HEALTH RESOURCES ADMINISTRATION	2,933	68	76	9	3,780
NATIONAL INSTITUTES OF HEALTH	62,319	6,305	40,856	4,300	11,853
SOCIAL SECURITY ADMINISTRATION	485	926	-	49	-
DEPARTMENT OF THE INTERIOR, TOTAL	24,747	10,619	13,909	701	808
BUREAU OF MINES	800	525	225	50	-
BUREAU OF OUTDOOR RECREATION	50	-	50	-	-
BUREAU OF RECLAMATION	390	189	210	191	-
GEOLOGICAL SURVEY	19,321	8,605	9,779	343	594
NATIONAL PARK SERVICE	201	180	-	21	-
NATIONAL RESOURCES LIBRARY	1,945	24	1,909	16	-
OFFICE OF WATER RES AND TECHNOLOGY	940	-	940	-	-
US FISH AND WILDLIFE SERVICE	950	900	300	140	10
DEPARTMENT OF JUSTICE, TOTAL	2,385	348	2,037	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,385	348	2,037	-	-
DEPARTMENT OF LABOR, TOTAL	582	241	91	75	150
EMPLOYMENT AND TRAINING ADMIN	512	236	76	50	150
OFFICE OF THE SECRETARY	70	25	20	25	-
DEPARTMENT OF STATE, TOTAL	2,181	240	1,941	-	-
DEPARTMENTAL FUNDS	431	-	431	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,950	240	1,710	-	-
DEPT OF TRANSPORTATION, TOTAL	4,747	207	4,498	42	-
FEDERAL AVIATION ADMINISTRATION	149	24	120	5	-
FEDERAL HIGHWAY ADMINISTRATION	625	55	550	20	-
FEDERAL RAILROAD ADMINISTRATION	75	-	75	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,269	35	1,230	-	-
OFFICE OF THE SECRETARY	1,875	20	1,855	-	-
UNITED STATES COAST GUARD	555	-	555	-	-
URBAN MASS TRANSPORTATION ADMIN	203	73	113	17	-
OTHER AGENCIES					
ADV COMM ON INTERGOVERNMNTL RELATIONS	141	102	34	5	-
CONSUMER PRODUCT SAFETY COMMISSION	1,600	-	1,500	100	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	6,049	2,767	3,278	-	-
ENVIRONMENTAL PROTECTION AGENCY	3,237	1,137	1,829	271	-
FEDERAL COMMUNICATIONS COMMISSION	18	5	5	8	-
FEDERAL HOME LOAN BANK BOARD	30	-	30	-	-
LIBRARY OF CONGRESS	31,238	-	28,963	-	2,275
NATIONAL AERONAUTICS & SPACE ADMIN	24,322	12,971	9,979	1,904	468
NATIONAL SCIENCE FOUNDATION	7,122	192	1,483	279	5,167
NUCLEAR REGULATORY COMMISSION	940	241	229	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	105	20	55	30	-
SMITHSONIAN INSTITUTION	5,670	1,950	3,729	241	150
TENNESSEE VALLEY AUTHORITY	120	-	120	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	112	2	100	7	2
VETERANS ADMINISTRATION	6,595	653	3,300	2,330	310

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-5. FEDERAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY AND ACTIVITY: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	PUBLICATION & DISTRIBUTION	DOCUMENTATION, REFERENCE, & INFORMATION SERVICES	SYMPOSIA & AUDIOVISUAL MEDIA	RESEARCH & DEVELOPMENT IN INFORMATION SCIENCES
TOTAL, ALL AGENCIES	430,340	137,914	192,021	25,504	74,907
DEPARTMENTS					
DEPARTMENT OF AGRICULTURE, TOTAL	16,331	5,553	8,192	2,754	31
AGRICULTURAL RESEARCH SERVICE	4,743	2,059	1,914	770	-
COOPERATIVE STATE RESEARCH SERVICE	217	15	-	200	2
ECONOMIC RESEARCH SERVICE	1,079	945	50	79	-
FARMER COOPERATIVE SERVICE	85	85	-	-	-
FOREST SERVICE	4,826	2,354	762	1,692	18
NATIONAL AGRICULTURAL LIBRARY	9,381	92	9,967	11	11
STATISTICAL REPORTING SERVICE	5	3	-	2	-
DEPARTMENT OF COMMERCE, TOTAL	147,806	70,160	26,316	1,621	3,709
BUREAU OF THE CENSUS	616	42	228	60	286
NATIONAL BUREAU OF STANDARDS	8,468	937	3,809	1,062	2,660
NATIONAL FIRE PREV & CONTROL ADMIN	70	-	70	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,407	2,518	2,047	495	347
NATIONAL TECHNICAL INFO SERVICE	12,196	10,500	1,696	-	-
OFFICE OF TELECOMMUNICATIONS	48	44	-	4	-
PATENT & TRADEMARK OFFICE	81,001	62,119	18,466	-	416
DEPARTMENT OF DEFENSE, TOTAL	95,323	4,021	27,237	8,511	47,754
DEPARTMENT OF THE ARMY	5,570	677	773	370	3,550
DEPARTMENT OF THE NAVY	20,227	6,803	5,828	4,182	3,416
DEPARTMENT OF THE AIR FORCE	12,932	2,733	3,823	3,442	2,634
DEFENSE AGENCIES	57,094	1,608	16,815	517	38,154
DEPT OF HEALTH, ED, & WELFARE, TOTAL	78,681	10,866	48,271	6,177	12,947
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	4,641	1,340	2,844	597	80
CENTER FOR DISEASE CONTROL	2,380	944	1,07[illegible]	414	-
FOOD AND DRUG ADMINISTRATION	4,360	1,270	2,650	440	-
HEALTH RESOURCES ADMINISTRATION	629	63	55	7	500
NATIONAL INSTITUTES OF HEALTH	65,573	6,652	41,930	4,654	12,367
SOCIAL SECURITY ADMINISTRATION	702	637	-	65	-
DEPARTMENT OF THE INTERIOR, TOTAL	30,496	11,954	18,915	968	659
BUREAU OF MINES	800	525	225	50	-
BUREAU OF OUTDOOR RECREATION	50	-	50	-	-
BUREAU OF RECLAMATION	720	220	440	250	-
GEOLOGICAL SURVEY	49,387	10,329	18,858	901	659
NATIONAL PARK SERVICE	315	295	20	-	-
NATIONAL RESOURCES LIBRARY	2,143	29	2,101	17	-
OFFICE OF WATER RES AND TECHNOLOGY	986	-	986	-	-
US FISH AND WILDLIFE SERVICE	1,095	550	295	150	-
DEPARTMENT OF JUSTICE, TOTAL	2,359	609	1,750	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,359	609	1,750	-	-
DEPARTMENT OF LABOR, TOTAL	542	266	101	75	150
EMPLOYMENT AND TRAINING ADMIN	512	236	76	50	150
OFFICE OF THE SECRETARY	60	30	25	25	-
DEPARTMENT OF STATE, TOTAL	2,025	200	1,825	-	-
DEPARTMENTAL FUNDS	225	-	225	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,800	200	1,600	-	-
DEPT OF TRANSPORTATION, TOTAL	4,760	215	4,495	50	-
FEDERAL AVIATION ADMINISTRATION	190	30	150	10	-
FEDERAL HIGHWAY ADMINISTRATION	625	55	550	20	-
FEDERAL RAILROAD ADMINISTRATION	75	-	75	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,665	40	1,625	-	-
OFFICE OF THE SECRETARY	1,900	20	1,880	-	-
UNITED STATES COAST GUARD	500	-	500	-	-
URBAN MASS TRANSPORTATION ADMIN	205	70	115	20	-
OTHER AGENCIES					
ADV COMM ON INTERGOVERNMNTL RELATIONS	182	139	35	12	-
CONSUMER PRODUCT SAFETY COMMISSION	1,650	-	1,550	100	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	7,233	3,215	4,110	-	-
ENVIRONMENTAL PROTECTION AGENCY	3,118	1,020	1,803	295	-
FEDERAL COMMUNICATIONS COMMISSION	20	6	6	8	-
FEDERAL HOME LOAN BANK BOARD	34	-	34	-	-
LIBRARY OF CONGRESS	32,823	-	29,801	-	3,022
NATIONAL AERONAUTICS & SPACE ADMIN	25,315	22,989	9,876	2,000	450
NATIONAL SCIENCE FOUNDATION	7,748	195	1,558	270	5,725
NUCLEAR REGULATORY COMMISSION	445	214	231	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	98	20	68	10	-
SMITHSONIAN INSTITUTION	6,658	1,592	4,633	283	150
TENNESSEE VALLEY AUTHORITY	140	-	140	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	123	3	115	5	-
VETERANS ADMINISTRATION	6,692	665	3,390	2,365	310

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-6. FEDERAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY AND ACTIVITY: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	PUBLICATION & DISTRIBUTION	DOCUMENTATION, REFERENCE, & INFORMATION SERVICES	SYMPOSIA & AUDIOVISUAL MEDIA	RESEARCH & DEVELOPMENT IN INFORMATION SCIENCES
TOTAL, ALL AGENCIES	445,576	140,489	202,131	26,771	76,185
DEPARTMENTS					
DEPARTMENT OF AGRICULTURE, TOTAL	16,972	5,697	8,403	2,650	22
AGRICULTURAL RESEARCH SERVICE	4,476	2,079	1,620	777	-
COOPERATIVE STATE RESEARCH SERVICE	217	15	-	200	2
ECONOMIC RESEARCH SERVICE	1,074	945	50	79	-
FARMER COOPERATIVE SERVICE	85	85	-	-	-
FOREST SERVICE	5,081	2,478	622	1,781	20
NATIONAL AGRICULTURAL LIBRARY	6,034	92	5,931	11	-
STATISTICAL REPORTING SERVICE	5	3	-	2	-
DEPARTMENT OF COMMERCE, TOTAL	109,890	77,125	27,114	1,776	3,875
BUREAU OF THE CENSUS	659	43	241	70	300
NATIONAL BUREAU OF STANDARDS	8,667	997	3,845	1,136	2,689
NATIONAL FIRE PREV & CONTROL ADMIN	70	-	70	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,700	2,659	2,052	553	461
NATIONAL TECHNICAL INFO SERVICE	12,866	10,960	1,906	-	-
OFFICE OF TELECOMMUNICATIONS	80	63	-	17	-
PATENT & TRADEMARK OFFICE	81,847	62,423	18,999	-	25
DEPARTMENT OF DEFENSE, TOTAL	94,875	16,807	26,998	9,478	45,892
DEPARTMENT OF THE ARMY	5,554	939	828	383	3,404
DEPARTMENT OF THE NAVY	40,274	7,484	6,322	4,601	1,869
DEPARTMENT OF THE AIR FORCE	13,188	2,908	4,020	3,623	2,637
DEFENSE AGENCIES	35,861	1,476	15,828	571	37,980
DEPT OF HEALTH, ED, & WELFARE, TOTAL	89,473	10,785	54,184	6,347	19,234
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	4,386	1,175	2,221	640	50
CENTER FOR DISEASE CONTROL	2,542	949	1,488	505	-
FOOD AND DRUG ADMINISTRATION	4,360	1,270	2,650	440	-
HEALTH RESOURCES ADMINISTRATION	615	58	91	6	500
NATIONAL INSTITUTES OF HEALTH	71,914	6,745	45,794	4,691	14,684
SOCIAL SECURITY ADMINISTRATION	653	588	-	65	-
DEPARTMENT OF THE INTERIOR, TOTAL	30,330	14,178	14,958	924	670
BUREAU OF MINES	800	525	225	50	-
BUREAU OF OUTDOOR RECREATION	50	-	50	-	-
BUREAU OF RECLAMATION	800	260	295	285	-
GEOLOGICAL SURVEY	23,846	10,523	12,236	397	670
NATIONAL PARK SERVICE	315	295	20	-	-
NATIONAL RESOURCES LIBRARY	2,284	25	2,242	17	-
OFFICE OF WATER RES AND TECHNOLOGY	1,100	-	1,100	-	-
US FISH AND WILDLIFE SERVICE	1,135	550	410	175	-
DEPARTMENT OF JUSTICE, TOTAL	2,810	550	2,260	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,810	550	2,260	-	-
DEPARTMENT OF LABOR, TOTAL	592	266	151	75	100
EMPLOYMENT AND TRAINING ADMIN	512	230	76	50	150
OFFICE OF THE SECRETARY	80	30	25	25	-
DEPARTMENT OF STATE, TOTAL	2,281	255	2,326	-	-
DEPARTMENTAL FUNDS	226	-	226	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	2,055	255	1,800	-	-
DEPT OF TRANSPORTATION, TOTAL	4,760	215	4,495	50	-
FEDERAL AVIATION ADMINISTRATION	190	30	150	10	-
FEDERAL HIGHWAY ADMINISTRATION	625	55	550	20	-
FEDERAL RAILROAD ADMINISTRATION	75	-	75	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,265	40	1,225	-	-
OFFICE OF THE SECRETARY	1,900	20	1,880	-	-
UNITED STATES COAST GUARD	500	-	500	-	-
URBAN MASS TRANSPORTATION ADMIN	205	70	115	20	-
OTHER AGENCIES					
ADV COMM ON INTERGOVERNMNTL RELATIONS	166	115	36	15	-
CONSUMER PRODUCT SAFETY COMMISSION	1,800	-	1,700	100	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	8,230	3,481	4,679	70	-
ENVIRONMENTAL PROTECTION AGENCY	3,050	1,040	1,735	295	-
FEDERAL COMMUNICATIONS COMMISSION	20	6	6	6	-
FEDERAL HOME LOAN BANK BOARD	35	-	35	-	-
LIBRARY OF CONGRESS	26,910	-	22,699	-	4,211
NATIONAL AERONAUTICS & SPACE ADMIN	26,872	13,647	10,985	2,109	531
NATIONAL SCIENCE FOUNDATION	7,675	70	1,630	235	5,740
NUCLEAR REGULATORY COMMISSION	465	223	242	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	113	25	68	20	-
SMITHSONIAN INSTITUTION	6,190	1,295	4,296	303	150
TENNESSEE VALLEY AUTHORITY	150	-	150	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	125	9	115	6	-
VETERANS ADMINISTRATION	6,799	675	3,400	2,410	310

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-7. FEDERAL OBLIGATIONS FOR PUBLICATION AND DISTRIBUTION, AND SYMPOSIA AND AUDIOVISUAL MEDIA, BY AGENCY AND SUBCATEGORY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PUBLICATION AND DISTRIBUTION					SYMPOSIA AND AUDIOVISUAL MEDIA		
	TOTAL	PRIMARY PUBLICATION & DISTRIBUTION	PATENT EXAMINATION	SECONDARY & TERTIARY PUBLICATION & DISTRIBUTION	SUPPORT OF PUBLICATION	TOTAL	SYMPOSIA & TECHNICAL MEETINGS	AUDIO-VISUAL MEDIA & NON-PRINTED COMMUNICATION
TOTAL, ALL AGENCIES	123,277	65,018	45,460	6,399	6,380	23,760	15,254	8,506
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	9,301	4,444	-	-	857	2,690	2,534	156
AGRICULTURAL RESEARCH SERVICE	1,989	1,166	-	-	823	742	742	-
COOPERATIVE STATE RESEARCH SERVICE	19	19	-	-	-	228	228	-
ECONOMIC RESEARCH SERVICE	938	923	-	-	15	78	78	-
FARMER COOPERATIVE SERVICE	53	53	-	-	-	-	-	-
FOREST SERVICE	6,404	6,242	-	-	19	1,625	1,469	156
NATIONAL AGRICULTURAL LIBRARY	38	38	-	-	-	13	13	-
STATISTICAL REPORTING SERVICE	3	3	-	-	-	2	2	-
DEPARTMENT OF COMMERCE, TOTAL	66,421	23,414	42,788	33	184	1,345	683	662
BUREAU OF THE CENSUS	39	39	-	-	-	58	58	-
NATIONAL BUREAU OF STANDARDS	857	752	-	35	70	908	529	379
NATIONAL OCEANIC AND ATMOS ADMIN	2,200	2,060	29	-	101	371	88	283
NATIONAL TECHNICAL INFO SERVICE	7,592	7,592	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	29	16	-	-	13	8	8	-
PATENT & TRADEMARK OFFICE	55,704	12,955	42,749	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	11,047	9,787	190	521	549	7,554	3,644	3,910
DEPARTMENT OF THE ARMY	948	706	189	42	11	352	41	311
DEPARTMENT OF THE NAVY	6,185	6,063	-	-	122	3,802	3,149	653
DEPARTMENT OF THE AIR FORCE	2,033	2,153	1	267	212	3,038	441	2,597
DEFENSE AGENCIES	1,281	865	-	212	224	362	13	349
DEPT OF HEALTH, ED, & WELFARE, TOTAL	10,319	5,485	-	1,001	3,833	6,118	4,474	1,644
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	1,332	792	-	500	40	900	496	404
CENTER FOR DISEASE CONTROL	904	904	-	-	-	421	421	-
FOOD AND DRUG ADMINISTRATION	1,467	319	-	-	935	439	167	272
HEALTH RESOURCES ADMINISTRATION	88	78	-	-	10	9	5	4
NATIONAL INSTITUTES OF HEALTH	6,305	2,490	-	501	2,848	4,300	3,336	964
SOCIAL SECURITY ADMINISTRATION	436	436	-	-	-	49	49	-
DEPARTMENT OF THE INTERIOR, TOTAL	10,019	9,869	-	74	80	761	680	81
BUREAU OF MINES	525	525	-	-	-	50	50	-
BUREAU OF RECLAMATION	189	184	-	5	-	191	110	81
GEOLOGICAL SURVEY	8,605	8,605	-	-	-	343	343	-
NATIONAL PARK SERVICE	180	51	-	49	80	21	21	-
NATIONAL RESOURCES LIBRARY	20	-	-	20	-	16	16	-
US FISH AND WILDLIFE SERVICE	500	500	-	-	-	140	140	-
DEPARTMENT OF JUSTICE, TOTAL	348	318	-	30	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	348	318	-	30	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	261	246	-	10	5	75	25	50
EMPLOYMENT AND TRAINING ADMIN	236	236	-	-	-	50	-	50
OFFICE OF THE SECRETARY	25	10	-	10	5	25	25	-
DEPARTMENT OF STATE, TOTAL	290	65	-	15	210	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	240	25	-	15	210	-	-	-
DEPT OF TRANSPORTATION, TOTAL	207	207	-	-	-	42	42	-
FEDERAL AVIATION ADMINISTRATION	24	24	-	-	-	5	5	-
FEDERAL HIGHWAY ADMINISTRATION	99	99	-	-	-	20	20	-
NATL HIGHWAY TRAFFIC SAFETY ADMIN	38	38	-	-	-	-	-	-
OFFICE OF THE SECRETARY	20	20	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	73	73	-	-	-	17	17	-
OTHER AGENCIES								
ADV COMM ON INTERGOVERNMNTL RELATIONS	102	102	-	-	-	5	5	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	-	100	100	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,767	2,124	-	643	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,137	570	-	473	94	271	165	106
FEDERAL COMMUNICATIONS COMMISSION	5	5	-	-	-	8	8	-
NATIONAL AERONAUTICS & SPACE ADMIN	12,471	9,998	2,900	3,597	476	1,904	1,582	322
NATIONAL SCIENCE FOUNDATION	193	91	102	-	-	279	231	48
NUCLEAR REGULATORY COMMISSION	211	211	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	20	20	-	-	-	30	30	-
SMITHSONIAN INSTITUTION	1,550	1,498	-	-	52	241	241	-
US ARMS CONTROL & DISARMAMENT AGENCY	3	3	-	-	-	7	5	2
VETERANS ADMINISTRATION	695	695	-	-	90	2,330	805	1,525

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-8. FEDERAL OBLIGATIONS FOR PUBLICATION AND DISTRIBUTION, AND SYMPOSIA AND AUDIOVISUAL MEDIA, BY AGENCY AND SUBCATEGORY: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PUBLICATION AND DISTRIBUTION					SYMPOSIA AND AUDIOVISUAL MEDIA		
	TOTAL	PRIMARY PUBLICATION & DISTRIBUTION	PATENT EXAMINATION	SECONDARY & TERTIARY PUBLICATION & DISTRIBUTION	SUPPORT OF PUBLICATION	TOTAL	SYMPOSIA & TECHNICAL MEETINGS	AUDIOVISUAL MEDIA & NONPRINTED COMMUNICATIONS
TOTAL, ALL AGENCIES	127,914	79,564	48,547	6,914	6,891	29,504	16,457	5,007
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	9,553	4,565	-	-	888	4,754	4,592	162
AGRICULTURAL RESEARCH SERVICE	2,059	1,207	-	-	852	770	770	-
COOPERATIVE STATE RESEARCH SERVICE	15	15	-	-	-	200	200	-
ECONOMIC RESEARCH SERVICE	945	929	-	-	16	79	79	-
FARMER COOPERATIVE SERVICE	85	85	-	-	-	-	-	-
FOREST SERVICE	2,259	2,339	-	-	20	1,692	1,530	162
NATIONAL AGRICULTURAL LIBRARY	92	92	-	-	-	11	11	-
STATISTICAL REPORTING SERVICE	3	3	-	-	-	2	2	-
DEPARTMENT OF COMMERCE, TOTAL	79,160	29,782	45,839	73	464	1,021	823	198
BUREAU OF THE CENSUS	42	42	-	-	-	63	63	-
NATIONAL BUREAU OF STANDARDS	937	826	-	39	72	1,062	619	443
NATIONAL OCEANIC AND ATMOS ADMIN	2,548	2,111	-	45	382	495	140	355
NATIONAL TECHNICAL INFO SERVICE	10,500	10,500	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	99	23	-	11	10	6	6	-
PATENT & TRADEMARK OFFICE	62,119	16,280	45,839	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	14,021	10,724	401	390	526	8,511	4,207	4,304
DEPARTMENT OF THE ARMY	877	623	200	42	12	370	45	325
DEPARTMENT OF THE NAVY	6,803	6,069	-	-	134	4,182	3,464	718
DEPARTMENT OF THE AIR FORCE	2,733	2,320	1	642	170	3,992	542	2,850
DEFENSE AGENCIES	1,608	1,112	-	270	220	517	106	411
DEPT OF HEALTH, ED, & WELFARE, TOTAL	10,886	5,768	-	1,191	4,017	6,177	4,620	1,557
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	1,320	713	-	567	40	597	345	252
CENTER FOR DISEASE CONTROL	944	944	-	-	-	414	414	-
FOOD AND DRUG ADMINISTRATION	1,270	320	-	-	950	440	170	270
HEALTH RESOURCES ADMINISTRATION	63	57	-	-	6	7	3	4
NATIONAL INSTITUTES OF HEALTH	6,652	3,697	-	554	3,021	4,634	3,613	1,021
SOCIAL SECURITY ADMINISTRATION	637	637	-	-	-	85	85	-
DEPARTMENT OF THE INTERIOR, TOTAL	11,954	11,710	-	94	150	948	848	120
BUREAU OF MINES	925	925	-	-	-	50	50	-
BUREAU OF RECLAMATION	230	225	-	5	-	250	130	120
GEOLOGICAL SURVEY	10,329	10,329	-	-	-	501	501	-
NATIONAL PARK SERVICE	295	81	-	64	150	-	-	-
NATIONAL RESOURCES LIBRARY	29	-	-	29	-	17	17	-
US FISH AND WILDLIFE SERVICE	550	550	-	-	-	150	150	-
DEPARTMENT OF JUSTICE, TOTAL	605	540	-	65	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	605	540	-	65	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	266	248	-	12	6	75	25	50
EMPLOYMENT AND TRAINING ADMIN	236	236	-	-	-	50	-	50
OFFICE OF THE SECRETARY	30	12	-	12	6	25	25	-
DEPARTMENT OF STATE, TOTAL	200	-	-	15	185	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	200	-	-	15	185	-	-	-
DEPT OF TRANSPORTATION, TOTAL	615	615	-	-	-	50	50	-
FEDERAL AVIATION ADMINISTRATION	30	30	-	-	-	10	10	-
FEDERAL HIGHWAY ADMINISTRATION	55	55	-	-	-	20	20	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	40	40	-	-	-	-	-	-
OFFICE OF THE SECRETARY	20	20	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	70	70	-	-	-	20	20	-
OTHER AGENCIES								
ADV COMM ON INTERGOVERMNTL RELATIONS	135	135	-	-	-	12	12	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	-	100	100	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	3,215	2,500	-	715	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,020	540	-	410	90	295	175	120
FEDERAL COMMUNICATIONS COMMISSION	6	6	-	-	-	8	8	-
NATIONAL AERONAUTICS & SPACE ADMIN	12,989	9,408	2,507	3,760	494	2,000	1,654	346
NATIONAL SCIENCE FOUNDATION	195	90	-	105	-	270	270	-
NUCLEAR REGULATORY COMMISSION	214	214	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	20	20	-	-	-	10	10	-
SMITHSONIAN INSTITUTION	1,592	1,541	-	-	51	283	283	-
US ARMS CONTROL & DISARMAMENT AGENCY	3	3	-	-	-	5	5	-
VETERANS ADMINISTRATION	865	815	-	-	50	2,365	815	1,550

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-9. FEDERAL OBLIGATIONS FOR PUBLICATION AND DISTRIBUTION, AND SYMPOSIA AND AUDIOVISUAL MEDIA, BY AGENCY AND SUBCATEGORY: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PUBLICATION AND DISTRIBUTION					SYMPOSIA AND AUDIOVISUAL MEDIA		
	TOTAL	PRIMARY PUBLICATION & DISTRIBUTION	PATENT EXAMINATION	SECONDARY & TERTIARY PUBLICATION & DISTRIBUTION	SUPPORT OF PUBLICATION	TOTAL	SYMPOSIA & TECHNICAL MEETINGS	AUDIOVISUAL MEDIA & NONPRINTED COMMUNICATION
TOTAL, ALL AGENCIES	140,489	77,506	48,913	7,044	7,026	26,771	17,402	9,369
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	5,697	4,800	-	-	897	2,850	2,679	171
AGRICULTURAL RESEARCH SERVICE	2,079	1,219	-	-	860	777	777	-
COOPERATIVE STATE RESEARCH SERVICE	15	15	-	-	-	200	200	-
ECONOMIC RESEARCH SERVICE	945	929	-	-	16	79	79	-
FARMER COOPERATIVE SERVICE	85	85	-	-	-	-	-	-
FOREST SERVICE	2,478	2,457	-	-	21	1,781	1,610	171
NATIONAL AGRICULTURAL LIBRARY	92	92	-	-	-	11	11	-
STATISTICAL REPORTING SERVICE	3	3	-	-	-	2	2	-
DEPARTMENT OF COMMERCE, TOTAL	77,145	30,517	46,040	78	484	1,776	976	800
BUREAU OF THE CENSUS	43	43	-	-	-	70	70	-
NATIONAL BUREAU OF STANDARDS	997	884	-	41	72	1,136	649	487
NATIONAL OCEANIC AND ATMOS ADMIN	2,639	2,266	-	65	394	553	240	313
NATIONAL TECHNICAL INFO SERVICE	10,960	10,960	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS	63	31	-	12	20	17	17	-
PATENT & TRADEMARK OFFICE	62,443	16,277	46,040	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	12,807	11,460	231	554	562	9,178	4,612	4,566
DEPARTMENT OF THE ARMY	939	652	230	44	12	383	48	335
DEPARTMENT OF THE NAVY	7,484	7,336	-	-	148	4,601	3,811	790
DEPARTMENT OF THE AIR FORCE	2,908	2,464	1	681	182	3,623	637	2,986
DEFENSE AGENCIES	1,476	1,007	-	249	220	571	116	455
DEPT OF HEALTH, ED, & WELFARE, TOTAL	10,789	5,716	-	1,023	4,046	6,347	4,763	1,584
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	1,175	658	-	487	30	640	390	250
CENTER FOR DISEASE CONTROL	949	949	-	-	-	505	505	-
FOOD AND DRUG ADMINISTRATION	1,279	320	-	-	959	440	170	270
HEALTH RESOURCES ADMINISTRATION	98	92	-	-	6	6	3	3
NATIONAL INSTITUTES OF HEALTH	6,745	3,149	-	536	3,060	4,691	3,630	1,061
SOCIAL SECURITY ADMINISTRATION	588	588	-	-	-	65	65	-
DEPARTMENT OF THE INTERIOR, TOTAL	12,178	11,929	-	89	160	924	799	125
BUREAU OF MINES	925	525	-	-	-	50	50	-
BUREAU OF RECLAMATION	260	250	-	-	10	275	150	125
GEOLOGICAL SURVEY	10,522	10,523	-	-	-	347	347	-
NATIONAL PARK SERVICE	295	81	-	64	150	-	-	-
NATIONAL RESOURCES LIBRARY	25	-	-	25	-	17	17	-
US FISH AND WILDLIFE SERVICE	550	550	-	-	-	175	175	-
DEPARTMENT OF JUSTICE, TOTAL	550	490	-	60	-	-	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	550	490	-	60	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	260	248	-	12	6	75	25	50
EMPLOYMENT AND TRAINING ADMIN	239	236	-	-	-	50	-	50
OFFICE OF THE SECRETARY	30	14	-	12	6	25	25	-
DEPARTMENT OF STATE, TOTAL	255	-	-	42	213	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	255	-	-	42	213	-	-	-
DEPT OF TRANSPORTATION, TOTAL	215	215	-	-	-	50	50	-
FEDERAL AVIATION ADMINISTRATION	30	30	-	-	-	10	10	-
FEDERAL HIGHWAY ADMINISTRATION	55	55	-	-	-	20	20	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	40	40	-	-	-	-	-	-
OFFICE OF THE SECRETARY	20	20	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	70	70	-	-	-	20	20	-
OTHER AGENCIES								
ADV COMM ON INTERGOVERNMNTL RELATIONS	115	115	-	-	-	15	15	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	-	100	100	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	3,481	2,661	-	820	-	70	60	10
ENVIRONMENTAL PROTECTION AGENCY	1,320	320	-	910	90	295	175	120
FEDERAL COMMUNICATIONS COMMISSION	6	6	-	-	-	8	8	-
NATIONAL AERONAUTICS & SPACE ADMIN	13,647	6,591	2,636	2,995	465	2,109	1,746	363
NATIONAL SCIENCE FOUNDATION	70	70	-	-	-	235	235	-
NUCLEAR REGULATORY COMMISSION	223	223	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	25	25	-	-	-	20	15	5
SMITHSONIAN INSTITUTION	1,345	1,292	-	-	53	303	303	-
US ARMS CONTROL & DISARMAMENT AGENCY	4	3	-	1	-	6	6	-
VETERANS ADMINISTRATION	675	629	-	-	53	2,410	835	1,575

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-10. FEDERAL OBLIGATIONS FOR DOCUMENTATION, REFERENCE, AND INFORMATION SERVICES, BY AGENCY AND SUBCATEGORY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIBRARY, REFERENCE, & REFERRAL	(NETWORKING FOR) LIBRARIES & DOCUMENTATION CENTERS	SPECIALIZED INFORMATION CENTERS	NETWORKING FOR SPECIALIZED INFORMATION CENTERS	TRANSLATIONS
TOTAL, ALL AGENCIES	179,227	122,365	9,429	44,951	4,159	2,327
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	6,392	6,360	-	32	-	-
AGRICULTURAL RESEARCH SERVICE	784	784	-	-	-	-
ECONOMIC RESEARCH SERVICE	47	15	-	32	-	-
FOREST SERVICE	732	732	-	-	-	-
NATIONAL AGRICULTURAL LIBRARY	4,829	4,829	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	24,797	20,663	44	3,863	-	227
BUREAU OF THE CENSUS	161	82	-	79	-	-
NATIONAL BUREAU OF STANDARDS	3,788	476	3	3,309	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	20	20	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	1,569	1,067	41	475	-	1
NATIONAL TECHNICAL INFO SERVICE	2,120	2,120	-	-	-	-
PATENT & TRADEMARK OFFICE	17,449	16,918	-	-	-	226
DEPARTMENT OF DEFENSE, TOTAL	24,791	18,592	138	3,078	2,563	420
DEPARTMENT OF THE ARMY	669	353	-	276	-	-
DEPARTMENT OF THE NAVY	5,337	4,226	132	561	-	418
DEPARTMENT OF THE AIR FORCE	3,730	2,994	6	728	-	2
DEFENSE AGENCIES	15,055	10,979	-	1,513	2,563	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	47,932	27,843	70	19,319	91	409
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	2,850	1,155	70	1,464	91	70
CENTER FOR DISEASE CONTROL	998	236	-	738	-	24
FOOD AND DRUG ADMINISTRATION	2,692	907	-	1,732	-	53
HEALTH RESOURCES ADMINISTRATION	76	18	-	58	-	-
NATIONAL INSTITUTES OF HEALTH	40,836	25,527	-	15,027	-	302
DEPARTMENT OF THE INTERIOR, TOTAL	13,409	2,276	2,344	8,539	-	50
BUREAU OF MINES	425	425	-	-	-	-
BUREAU OF OUTDOOR RECREATION	30	1	-	49	-	-
BUREAU OF RECLAMATION	210	205	-	-	-	5
GEOLOGICAL SURVEY	9,775	1,545	660	7,550	-	-
NATIONAL RESOURCES LIBRARY	1,909	-	1,804	-	-	45
OFFICE OF WATER RES AND TECHNOLOGY	940	-	-	940	-	-
US FISH AND WILDLIFE SERVICE	300	300	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	2,037	37	-	2,000	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,037	37	-	2,000	-	-
DEPARTMENT OF LABOR, TOTAL	96	86	-	10	-	-
EMPLOYMENT AND TRAINING ADMIN	76	76	-	-	-	-
OFFICE OF THE SECRETARY	20	10	-	10	-	-
DEPARTMENT OF STATE, TOTAL	1,941	1,941	-	-	-	-
DEPARTMENTAL FUNDS	231	231	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,710	1,710	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	4,498	295	-	4,203	-	-
FEDERAL AVIATION ADMINISTRATION	120	120	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	550	150	-	400	-	-
FEDERAL RAILROAD ADMINISTRATION	75	-	-	75	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,230	25	-	1,205	-	-
OFFICE OF THE SECRETARY	1,855	-	-	1,855	-	-
UNITED STATES COAST GUARD	555	-	-	555	-	-
URBAN MASS TRANSPORTATION ADMIN	113	-	-	113	-	-
OTHER AGENCIES						
ADV COMM ON INTERGOVERNMNTL RELATIONS	34	34	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,500	1,500	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	3,278	1,405	1,873	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,849	142	156	563	953	15
FEDERAL COMMUNICATIONS COMMISSION	5	5	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	30	30	-	-	-	-
LIBRARY OF CONGRESS	28,663	28,663	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	9,479	5,054	562	3,167	552	184
NATIONAL SCIENCE FOUNDATION	1,483	24	-	437	-	1,022
NUCLEAR REGULATORY COMMISSION	229	229	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	55	55	-	-	-	-
SMITHSONIAN INSTITUTION	3,729	3,691	38	-	-	-
TENNESSEE VALLEY AUTHORITY	120	120	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	100	20	-	80	-	-
VETERANS ADMINISTRATION	3,300	3,300	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-11. FEDERAL OBLIGATIONS FOR DOCUMENTATION, REFERENCE, AND INFORMATION SERVICES, BY AGENCY AND SUBCATEGORY: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIBRARY, REFERENCE, & REFERRAL	NETWORKING FOR LIBRARIES & DOCUMENTATION CENTERS	SPECIALIZED INFORMATION CENTERS	NETWORKING FOR SPECIALIZED INFORMATION CENTERS	TRANSLATIONS
TOTAL, ALL AGENCIES	152,021	129,162	6,182	91,307	1,593	3,777
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	8,193	7,034	29	32	-	1,102
AGRICULTURAL RESEARCH SERVICE	1,914	812	-	-	-	1,102
ECONOMIC RESEARCH SERVICE	50	18	-	32	-	-
FOREST SERVICE	762	762	-	-	-	-
NATIONAL AGRICULTURAL LIBRARY	5,467	5,442	25	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	26,316	21,845	95	4,205	-	220
BUREAU OF THE CENSUS	228	127	-	101	-	-
NATIONAL BUREAU OF STANDARDS	3,639	505	4	3,100	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	70	70	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	2,047	1,188	91	805	-	15
NATIONAL TECHNICAL INFO SERVICE	1,696	1,696	-	-	-	-
PATENT & TRADEMARK OFFICE	18,466	18,261	-	-	-	205
DEPARTMENT OF DEFENSE, TOTAL	27,237	20,376	138	6,295	-	428
DEPARTMENT OF THE ARMY	773	437	-	336	-	-
DEPARTMENT OF THE NAVY	5,826	4,648	132	620	-	426
DEPARTMENT OF THE AIR FORCE	3,823	3,072	6	743	-	2
DEFENSE AGENCIES	16,815	12,219	-	4,596	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	40,271	28,471	100	10,979	90	631
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	2,099	1,257	100	1,127	90	70
CENTER FOR DISEASE CONTROL	1,222	248	-	749	-	25
FOOD AND DRUG ADMINISTRATION	2,050	910	-	1,130	-	10
HEALTH RESOURCES ADMINISTRATION	55	14	-	41	-	-
NATIONAL INSTITUTES OF HEALTH	41,900	26,042	-	15,332	-	526
DEPARTMENT OF THE INTERIOR, TOTAL	18,513	2,523	2,748	11,549	-	93
BUREAU OF MINES	225	225	-	-	-	-
BUREAU OF OUTDOOR RECREATION	50	1	-	49	-	-
BUREAU OF RECLAMATION	240	215	-	-	-	25
GEOLOGICAL SURVEY	12,898	1,087	697	10,914	-	-
NATIONAL PARK SERVICE	20	-	-	-	-	20
NATIONAL RESOURCES LIBRARY	2,141	-	2,051	-	-	50
OFFICE OF WATER RES AND TECHNOLOGY	986	-	-	986	-	-
US FISH AND WILDLIFE SERVICE	393	395	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,750	50	-	1,700	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	1,750	50	-	1,700	-	-
DEPARTMENT OF LABOR, TOTAL	101	89	-	12	-	-
EMPLOYMENT AND TRAINING ADMIN	76	76	-	-	-	-
OFFICE OF THE SECRETARY	25	13	-	12	-	-
DEPARTMENT OF STATE, TOTAL	1,825	1,825	-	-	-	-
DEPARTMENTAL FUNDS	625	625	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,600	1,600	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	4,995	320	-	4,175	-	-
FEDERAL AVIATION ADMINISTRATION	450	150	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	590	150	-	403	-	-
FEDERAL RAILROAD ADMINISTRATION	75	-	-	75	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,425	20	-	1,205	-	-
OFFICE OF THE SECRETARY	1,880	-	-	1,880	-	-
UNITED STATES COAST GUARD	500	-	-	500	-	-
URBAN MASS TRANSPORTATION ADMIN	115	-	-	115	-	-
OTHER AGENCIES						
ADV COMM ON INTERGOVERNMNTL RELATIONS	35	35	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,550	1,550	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	4,118	1,836	2,282	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,823	150	190	518	930	15
FEDERAL COMMUNICATIONS COMMISSION	6	6	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	34	34	-	-	-	-
LIBRARY OF CONGRESS	29,621	29,621	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	9,676	5,681	587	3,240	573	189
NATIONAL SCIENCE FOUNDATION	1,558	26	-	505	-	1,027
NUCLEAR REGULATORY COMMISSION	621	621	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	68	68	-	-	-	-
SMITHSONIAN INSTITUTION	9,233	9,096	67	-	-	70
TENNESSEE VALLEY AUTHORITY	140	140	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	115	25	-	90	-	-
VETERANS ADMINISTRATION	2,250	2,250	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-12. FEDERAL OBLIGATIONS FOR DOCUMENTATION, REFERENCE, AND INFORMATION SERVICES, BY AGENCY AND SUBCATEGORY: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIBRARY, REFERENCE, & REFERRAL	NETWORKING FOR LIBRARIES & DOCUMENTATION CENTERS	SPECIALIZED INFORMATION CENTERS	NETWORKING FOR SPECIALIZED INFORMATION CENTERS	TRANSLATIONS
TOTAL, ALL AGENCIES	162,131	130,907	6,898	51,219	1,553	3,555
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	8,432	7,545	45	32	-	800
AGRICULTURAL RESEARCH SERVICE	1,620	820	-	-	-	800
ECONOMIC RESEARCH SERVICE	50	18	-	32	-	-
FOREST SERVICE	804	804	-	-	-	-
NATIONAL AGRICULTURAL LIBRARY	5,931	5,905	26	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	27,114	22,662	48	4,189	-	215
BUREAU OF THE CENSUS	241	136	-	105	-	-
NATIONAL BUREAU OF STANDARDS	3,845	541	4	3,300	-	-
NATIONAL FIRE PREV & CONTROL ADMIN	70	70	-	-	-	-
NATIONAL OCEANIC AND ATMOS ADMIN	2,053	1,215	44	784	-	10
NATIONAL TECHNICAL INFO SERVICE	1,906	1,906	-	-	-	-
PATENT & TRADEMARK OFFICE	18,999	18,794	-	-	-	205
DEPARTMENT OF DEFENSE, TOTAL	26,998	20,337	173	6,039	-	449
DEPARTMENT OF THE ARMY	828	455	-	333	-	-
DEPARTMENT OF THE NAVY	6,322	5,113	162	600	-	447
DEPARTMENT OF THE AIR FORCE	4,020	3,226	6	786	-	2
DEFENSE AGENCIES	15,828	11,503	5	4,320	-	-
DEPT OF HEALTH, ED, & WELFARE, TOTAL	52,104	32,011	90	19,399	65	569
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	2,521	1,191	90	1,095	85	60
CENTER FOR DISEASE CONTROL	1,088	248	-	815	-	25
FOOD AND DRUG ADMINISTRATION	2,650	910	-	1,730	-	10
HEALTH RESOURCES ADMINISTRATION	91	13	-	38	-	-
NATIONAL INSTITUTES OF HEALTH	45,794	29,649	-	15,971	-	474
DEPARTMENT OF THE INTERIOR, TOTAL	16,538	2,712	2,869	10,862	-	95
BUREAU OF MINES	225	225	-	-	-	-
BUREAU OF OUTDOOR RECREATION	50	1	-	49	-	-
BUREAU OF RECLAMATION	255	230	-	-	-	25
GEOLOGICAL SURVEY	14,236	1,898	697	9,713	-	-
NATIONAL PARK SERVICE	20	-	-	-	-	20
NATIONAL RESOURCES LIBRARY	2,242	-	2,192	-	-	50
OFFICE OF WATER RES AND TECHNOLOGY	1,100	-	-	1,100	-	-
US FISH AND WILDLIFE SERVICE	410	410	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	2,260	60	-	2,200	-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,260	60	-	2,200	-	-
DEPARTMENT OF LABOR, TOTAL	101	89	-	12	-	-
EMPLOYMENT AND TRAINING ADMIN	76	76	-	-	-	-
OFFICE OF THE SECRETARY	25	13	-	12	-	-
DEPARTMENT OF STATE, TOTAL	2,026	2,026	-	-	-	-
DEPARTMENTAL FUNDS	226	226	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,800	1,800	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	4,695	320	-	4,175	-	-
FEDERAL AVIATION ADMINISTRATION	150	150	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	550	150	-	400	-	-
FEDERAL RAILROAD ADMINISTRATION	75	-	-	75	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,225	20	-	1,205	-	-
OFFICE OF THE SECRETARY	1,880	-	-	1,880	-	-
UNITED STATES COAST GUARD	500	-	-	500	-	-
URBAN MASS TRANSPORTATION ADMIN	115	-	-	115	-	-
OTHER AGENCIES						
ADV COMM ON INTERGOVERNMTL RELATIONS	36	36	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,700	1,700	-	-	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	9,679	1,922	6,787	10	-	-
ENVIRONMENTAL PROTECTION AGENCY	1,735	142	103	915	860	15
FEDERAL COMMUNICATIONS COMMISSION	6	6	-	-	-	-
FEDERAL HOME LOAN BANK BOARD	35	35	-	-	-	-
LIBRARY OF CONGRESS	33,299	33,299	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	10,585	5,805	642	3,335	588	212
NATIONAL SCIENCE FOUNDATION	1,630	20	-	410	-	1,200
NUCLEAR REGULATORY COMMISSION	292	696	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	68	68	-	-	-	-
SMITHSONIAN INSTITUTION	4,396	4,299	97	-	-	-
TENNESSEE VALLEY AUTHORITY	150	150	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	115	22	-	93	-	-
VETERANS ADMINISTRATION	3,400	3,400	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-13. FEDERAL INTRAMURAL AND EXTRAMURAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY AND ACTIVITY: FISCAL YEAR 1975

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL					EXTRAMURAL				
		TOTAL	PUBLICATION & DISTRIBUTION SERVICE	DOC. REF & INFOR	SYMPOSIA & AUDIO/-VISUAL	R&D IN INFO SCIENCE	TOTAL	PUBLICATION & DISTRIBUTION SERVICE	DOC. REF & INFOR	SYMPOSIA & AUDIO/-VISUAL	R&D IN INFO SCIENCE
TOTAL, ALL AGENCIES	298,060	265,452	102,958	132,469	17,003	12,982	132,608	20,279	46,758	6,757	58,814
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL	14,409	14,172	5,301	6,155	2,690	26	237	--	237	--	-
AGRICULTURAL RESEARCH SERVICE	3,515	3,515	1,965	784	742	--	--	--	--	--	-
COOPERATIVE STATE RESEARCH SERVICE	249	249	19	--	228	2	--	--	--	--	-
ECONOMIC RESEARCH SERVICE	1,063	1,063	938	47	78	--	--	--	--	--	-
FARMER COOPERATIVE SERVICE	53	53	53	--	--	--	--	--	--	--	-
FOREST SERVICE	4,636	4,636	2,261	732	1,625	18	--	--	--	--	-
NATIONAL AGRICULTURAL LIBRARY	4,888	4,651	38	4,592	15	6	237	--	237	--	-
STATISTICAL REPORTING SERVICE	51	51	31	--	21	--	--	--	--	--	-
DEPARTMENT OF COMMERCE, TOTAL	99,921	99,488	65,802	24,056	1,272	358	1,433	619	741	73	-
BUREAU OF THE CENSUS	474	454	39	161	38	216	20	--	--	20	-
NATIONAL BUREAU OF STANDARDS	8,012	7,521	857	3,297	908	2,459	491	--	491	--	-
NATIONAL FIRE PREV & CONTROL ADMIN	20	20	--	20	--	--	--	--	--	--	-
NATIONAL OCEANIC AND ATMOS ADMIN	4,318	3,404	1,589	1,314	318	183	914	611	250	53	-
NATIONAL TECHNICAL INFO SERVICE	9,742	9,742	7,592	2,150	--	--	--	--	--	--	-
OFFICE OF TELECOMMUNICATIONS	29	29	21	--	8	--	8	8	--	--	-
PATENT & TRADEMARK OFFICE	73,340	73,340	55,704	17,144	--	530	--	--	--	--	-
DEPARTMENT OF DEFENSE, TOTAL	86,734	31,758	5,784	18,067	4,774	3,133	54,976	5,263	6,724	2,780	40,209
DEPARTMENT OF THE ARMY	4,145	2,587	659	344	343	1,241	1,558	249	325	9	975
DEPARTMENT OF THE NAVY	18,250	8,907	2,834	5,674	1,035	764	9,343	3,351	1,663	2,167	2,162
DEPARTMENT OF THE AIR FORCE	12,191	7,866	1,646	2,860	2,680	718	4,327	987	910	358	2,072
DEFENSE AGENCIES	52,148	12,400	605	11,229	716	450	39,748	676	3,826	246	35,000
DEPT OF HEALTH, ED, & WELFARE, TOTAL	79,509	34,300	5,639	23,547	2,700	2,364	45,209	4,680	23,835	3,418	13,276
ALCOHOL, DRUG ABUS. & MENTAL HEALTH	5,107	1,262	256	1,007	--	--	3,844	1,076	1,843	900	25
CENTER FOR DISEASE CONTROL	2,323	1,425	690	836	299	--	898	214	162	122	-
FOOD AND DRUG ADMINISTRATION	4,345	3,096	366	2,652	80	--	1,247	888	--	359	-
HEALTH RESOURCES ADMINISTRATION	3,925	367	76	69	9	211	3,558	10	7	--	3,551
NATIONAL INSTITUTES OF HEALTH	63,314	27,262	3,813	19,033	2,203	2,153	36,052	2,492	21,823	2,037	9,700
SOCIAL SECURITY ADMINISTRATION	485	485	436	--	49	--	--	--	--	--	-
DEPARTMENT OF THE INTERIOR, TOTAL	24,797	24,197	9,845	13,004	740	608	600	174	405	21	-
BUREAU OF MINES	800	800	525	225	50	--	--	--	--	--	-
BUREAU OF OUTDOOR RECREATION	50	50	--	50	--	--	--	--	--	--	-
BUREAU OF RECLAMATION	590	585	189	205	191	--	5	--	5	--	-
GEOLOGICAL SURVEY	19,321	19,321	8,665	9,775	343	598	--	--	--	--	-
NATIONAL PARK SERVICE	211	106	106	--	--	--	95	74	--	21	-
NATIONAL RESOURCES LIBRARY	1,945	1,945	20	1,909	16	--	--	--	--	--	-
OFFICE OF WATER RES AND TECHNOLOGY	940	640	--	640	--	--	300	--	300	--	-
US FISH AND WILDLIFE SERVICE	950	750	400	200	140	10	200	100	100	--	-
DEPARTMENT OF JUSTICE, TOTAL	2,385	384	347	37	--	--	2,001	1	2,000	--	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,385	384	347	37	--	--	2,001	1	2,000	--	-
DEPARTMENT OF LABOR, TOTAL	562	326	209	96	21	--	236	56	--	50	130
EMPLOYMENT AND TRAINING ADMIN	512	256	180	76	--	--	256	56	--	50	130
OFFICE OF THE SECRETARY	70	70	29	20	21	--	--	--	--	--	-
DEPARTMENT OF STATE, TOTAL	2,181	1,811	--	1,811	--	--	370	240	130	--	-
DEPARTMENTAL FUNDS	231	231	--	231	--	--	--	--	--	--	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,950	1,580	--	1,580	--	--	370	240	130	--	-
DEPT OF TRANSPORTATION, TOTAL	4,747	2,094	921	1,960	42	--	2,653	115	2,538	--	-
FEDERAL AVIATION ADMINISTRATION	149	104	91	50	13	--	45	15	30	--	-
FEDERAL HIGHWAY ADMINISTRATION	625	260	40	200	20	--	365	15	350	--	-
FEDERAL RAILROAD ADMINISTRATION	75	--	--	--	--	--	75	--	75	--	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,262	40	15	25	--	--	1,225	20	1,205	--	-
OFFICE OF THE SECRETARY	1,875	1,515	10	1,505	--	--	360	10	350	--	-
UNITED STATES COAST GUARD	555	105	--	105	--	--	450	--	450	--	-
URBAN MASS TRANSPORTATION ADMIN	205	70	18	35	17	--	133	55	78	--	-
OTHER AGENCIES											
ADV COMM ON INTERGOVERNMNTL RELATIONS	141	141	102	34	5	--	--	--	--	--	-
CONSUMER PRODUCT SAFETY COMMISSION	1,600	450	--	350	100	--	1,150	--	1,150	--	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	6,045	3,758	1,788	1,970	--	--	2,287	979	1,308	--	-
ENVIRONMENTAL PROTECTION AGENCY	7,237	6,557	903	4,428	226	--	680	234	401	45	-
FEDERAL COMMUNICATIONS COMMISSION	181	181	51	51	81	--	--	--	--	--	-
FEDERAL HOME LOAN BANK BOARD	301	301	--	301	--	--	--	--	--	--	-
LIBRARY OF CONGRESS	31,238	31,238	--	28,663	--	2,575	--	--	--	--	-
NATIONAL AERONAUTICS & SPACE ADMIN	24,322	12,490	4,752	5,364	1,893	480	12,032	7,718	4,115	111	188
NATIONAL SCIENCE FOUNDATION	7,142	403	66	161	--	176	6,719	127	1,322	279	4,991
NUCLEAR REGULATORY COMMISSION	990	350	168	182	--	--	90	43	47	--	-
OFFICE OF TELECOMMUNICATIONS POLICY	105	75	20	55	--	--	30	--	--	30	-
SMITHSONIAN INSTITUTION	5,670	3,863	1,350	1,924	241	150	1,805	--	1,805	--	-
TENNESSEE VALLEY AUTHORITY	120	120	--	120	--	--	--	--	--	--	-
US ARMS CONTROL & DISARMAMENT AGENCY	112	112	34	100	7	21	--	--	--	--	-
VETERANS ADMINISTRATION	6,599	6,215	625	3,300	2,280	310	80	30	--	50	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-14. FEDERAL INTRAMURAL AND EXTRAMURAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY AND ACTIVITY: FISCAL YEAR 1976 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL					EXTRAMURAL				
		TOTAL	PUBLICATION & DISTRIBUTION	DOC, REF & INFO SERVICE	SYM-POSIA & AUDIO/VISUAL	R&D IN INFO SCIENCE	TOTAL	PUBLICATION & DISTRIBUTION	DOC, REF & INFO SERVICE	SYM-POSIA & AUDIO/VISUAL	R&D IN INFO SCIENCE
TOTAL, ALL AGENCIES	430,246	290,824	116,646	141,449	18,609	14,120	139,522	41,268	50,572	6,895	60,787
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL	16,531	15,150	9,553	6,817	2,754	26	1,381	-1	1,376	-1	5
AGRICULTURAL RESEARCH SERVICE	4,743	3,041	2,059	812	770	-1	1,102	-1	1,102	-1	-
COOPERATIVE STATE RESEARCH SERVICE	217	217	15	-1	200	2	-1	-1	-1	-1	-
ECONOMIC RESEARCH SERVICE	1,074	1,074	945	50	79	-1	-1	-1	-1	-1	-
FARMER COOPERATIVE SERVICE	85	85	85	-1	-1	-1	-1	-1	-1	-1	-
FOREST SERVICE	4,826	4,826	2,354	762	1,692	18	-1	-1	-1	-1	-
NATIONAL AGRICULTURAL LIBRARY	5,581	5,302	92	5,193	11	6	279	-1	274	-1	5
STATISTICAL REPORTING SERVICE	9	9	3	-1	2	-1	-1	-1	-1	-1	-
DEPARTMENT OF COMMERCE, TOTAL	107,806	106,153	75,478	25,475	1,501	3,699	1,653	682	841	120	10
BUREAU OF THE CENSUS	616	595	42	228	39	286	21	-1	-1	21	-
NATIONAL BUREAU OF STANDARDS	8,468	7,868	937	3,209	1,062	2,660	600	-1	600	-1	-
NATIONAL FIRE PREV & CONTROL ADMIN	70	70	-1	70	-1	-1	-1	-1	-1	-1	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,407	4,379	1,840	1,806	396	337	1,028	678	241	99	10
NATIONAL TECHNICAL INFO SERVICE	12,196	12,196	10,500	1,696	-1	-1	-1	-1	-1	-1	-
OFFICE OF TELECOMMUNICATIONS	48	44	40	-1	4	-1	4	4	-1	-1	-
PATENT & TRADEMARK OFFICE	81,001	81,001	62,119	18,466	-1	416	-1	-1	-1	-1	-
DEPARTMENT OF DEFENSE, TOTAL	95,523	35,185	6,596	19,512	5,446	3,677	60,338	5,471	7,725	3,065	44,077
DEPARTMENT OF THE ARMY	5,570	3,283	728	302	350	1,905	2,287	149	473	22	1,645
DEPARTMENT OF THE NAVY	20,227	9,563	3,117	4,009	1,799	638	10,664	3,686	1,817	2,383	2,778
DEPARTMENT OF THE AIR FORCE	12,632	8,417	1,731	2,924	3,082	680	4,215	1,002	899	360	1,954
DEFENSE AGENCIES	57,094	13,922	974	12,279	215	454	43,172	634	4,526	302	37,700
DEPT OF HEALTH, ED, & WELFARE, TOTAL	78,281	34,896	6,108	23,796	2,922	2,070	43,385	4,778	29,475	3,255	10,877
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	4,641	1,154	292	862	-1	-1	3,487	1,028	1,782	597	80
CENTER FOR DISEASE CONTROL	2,380	1,897	715	872	306	-1	483	225	150	108	-
FOOD AND DRUG ADMINISTRATION	4,460	3,100	270	2,650	80	-1	1,260	900	-1	360	-
HEALTH RESOURCES ADMINISTRATION	625	131	57	50	6	18	494	6	51	11	482
NATIONAL INSTITUTES OF HEALTH	65,973	27,412	4,033	19,362	2,465	2,052	37,661	2,619	26,538	2,189	10,315
SOCIAL SECURITY ADMINISTRATION	702	702	637	-1	65	-1	-1	-1	-1	-1	-
DEPARTMENT OF THE INTERIOR, TOTAL	30,496	29,804	11,750	15,452	942	659	692	204	463	25	-
BUREAU OF MINES	800	800	525	225	50	-1	-1	-1	-1	-1	-
BUREAU OF OUTDOOR RECREATION	50	50	-1	50	-1	-1	-1	-1	-1	-1	-
BUREAU OF RECLAMATION	720	690	430	233	225	-1	30	-1	5	25	-
GEOLOGICAL SURVEY	24,387	24,287	10,329	12,898	501	559	100	-1	-1	-1	-
NATIONAL PARK SERVICE	315	211	191	20	-1	-1	104	104	-1	-1	-
NATIONAL RESOURCES LIBRARY	2,143	2,143	25	2,101	17	-1	-1	-1	-1	-1	-
OFFICE OF WATER RES AND TECHNOLOGY	986	673	-1	673	-1	-1	313	-1	313	-1	-
US FISH AND WILDLIFE SERVICE	1,095	850	450	450	150	-1	245	100	145	-1	-
DEPARTMENT OF JUSTICE, TOTAL	2,355	650	600	50	-1	-1	1,705	5	1,700	-1	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,355	650	600	50	-1	-1	1,705	5	1,700	-1	-
DEPARTMENT OF LABOR, TOTAL	592	336	210	101	25	-1	256	56	-1	50	150
EMPLOYMENT AND TRAINING ADMIN	512	256	180	76	-1	-1	256	56	-1	50	150
OFFICE OF THE SECRETARY	80	80	30	25	25	-1	-1	-1	-1	-1	-
DEPARTMENT OF STATE, TOTAL	2,025	1,825	-1	1,825	-1	-1	200	200	-1	-1	-
DEPARTMENTAL FUNDS	225	225	-1	225	-1	-1	-1	-1	-1	-1	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,800	1,600	-1	1,600	-1	-1	200	200	-1	-1	-
DEPT OF TRANSPORTATION, TOTAL	4,760	2,140	100	1,990	50	-1	2,620	115	2,505	-1	-
FEDERAL AVIATION ADMINISTRATION	190	120	10	100	10	-1	70	20	50	-1	-
FEDERAL HIGHWAY ADMINISTRATION	625	260	40	200	20	-1	365	15	350	-1	-
FEDERAL RAILROAD ADMINISTRATION	75	-1	-1	-1	-1	-1	75	-1	75	-1	-
NATL HIGHWAY TRAFFIC SAFETY ADMIN	1,265	45	20	25	-1	-1	1,220	20	1,200	-1	-
OFFICE OF THE SECRETARY	1,900	1,540	10	1,530	-1	-1	360	10	350	-1	-
UNITED STATES COAST GUARD	500	100	-1	100	-1	-1	400	-1	400	-1	-
URBAN MASS TRANSPORTATION ADMIN	205	75	20	35	20	-1	130	50	80	-1	-
OTHER AGENCIES											
ADV COMM ON INTERGOVERNMNTL RELATIONS	182	182	135	35	12	-1	-1	-1	-1	-1	-
CONSUMER PRODUCT SAFETY COMMISSION	1,650	450	-1	450	100	-1	1,200	-1	1,200	-1	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	7,353	4,059	1,922	2,117	-1	-1	3,294	1,293	2,001	-1	-
ENVIRONMENTAL PROTECTION AGENCY	3,118	2,490	830	1,360	250	-1	628	190	442	45	-
FEDERAL COMMUNICATIONS COMMISSION	201	201	61	61	81	-1	-1	-1	-1	-1	-
FEDERAL HOME LOAN BANK BOARD	341	341	-1	341	-1	-1	-1	-1	-1	-1	-
LIBRARY OF CONGRESS	32,823	32,823	-1	29,801	-1	3,022	-1	-1	-1	-1	-
NATIONAL AERONAUTICS & SPACE ADMIN	25,315	12,652	4,930	5,419	1,991	312	12,663	8,059	4,457	91	138
NATIONAL SCIENCE FOUNDATION	7,748	412	54	103	-1	255	7,336	141	1,395	270	5,530
NUCLEAR REGULATORY COMMISSION	445	354	170	184	-1	-1	91	44	47	-1	-
OFFICE OF TELECOMMUNICATIONS POLICY	98	88	20	68	-1	-1	10	-1	-1	10	-
SMITHSONIAN INSTITUTION	6,258	4,314	1,552	2,289	283	190	1,944	-1	1,944	-1	-
TENNESSEE VALLEY AUTHORITY	140	140	-1	140	-1	-1	-1	-1	-1	-1	-
US ARMS CONTROL & DISARMAMENT AGENCY	123	123	3	115	5	-1	-1	-1	-1	-1	-
VETERANS ADMINISTRATION	6,690	6,644	635	2,350	2,319	340	76	30	-1	46	-

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-15. FEDERAL INTRAMURAL AND EXTRAMURAL OBLIGATIONS FOR SCIENTIFIC AND TECHNICAL INFORMATION, BY AGENCY AND ACTIVITY: FISCAL YEAR 1977 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL					EXTRAMURAL				
		TOTAL	PUBLICATION & DISTRIB	DOC, REF & INFOR SERVICE	SYM-POSIA & AUDIO/VISUAL	RED IN INFO SCIENCE	TOTAL	PUBLICATION & DISTRIB	DOC, REF & INFOR SERVICE	SYM-POSIA & AUDIO/VISUAL	RED IN INFO SCIENCE
TOTAL, ALL AGENCIES	445,576	301,845	18,857	148,203	19,493	15,292	143,731	21,632	53,928	7,278	60,893
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL	16,972	15,816	5,697	7,247	2,850	22	1,156	-0-	1,156	-0-	-
AGRICULTURAL RESEARCH SERVICE	4,476	3,676	2,079	820	777	-0-	800	-0-	800	-0-	-
COOPERATIVE STATE RESEARCH SERVICE	217	217	17	-0-	200	21	-0-	-0-	-0-	-0-	-
ECONOMIC RESEARCH SERVICE	1,074	1,074	945	50	79	-0-	-0-	-0-	-0-	-0-	-
FARMER COOPERATIVE SERVICE	85	85	85	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-
FOREST SERVICE	5,081	5,081	2,978	802	1,781	20	-0-	-0-	-0-	-0-	-
NATIONAL AGRICULTURAL LIBRARY	6,034	5,678	92	5,575	11	-0-	356	-0-	356	-0-	-
STATISTICAL REPORTING SERVICE	5	5	3	-0-	2	-0-	-0-	-0-	-0-	-0-	-
DEPARTMENT OF COMMERCE, TOTAL	109,890	108,192	76,436	26,230	1,682	3,844	1,698	689	884	94	31
BUREAU OF THE CENSUS	654	634	43	491	48	300	22	-0-	-0-	22	-
NATIONAL BUREAU OF STANDARDS	8,067	8,047	997	3,225	1,136	2,689	620	-0-	620	-0-	-
NATIONAL FIRE PREV & CONTROL ADMIN	70	70	-0-	70	-0-	-0-	-0-	-0-	-0-	-0-	-
NATIONAL OCEANIC AND ATMOS ADMIN	5,706	4,660	1,958	1,789	483	430	1,046	681	264	70	31
NATIONAL TECHNICAL INFO SERVICE	12,866	12,866	10,960	1,906	-0-	-0-	-0-	-0-	-0-	-0-	-
OFFICE OF TELECOMMUNICATIONS	80	70	55	-0-	15	-0-	10	8	-0-	2	-
PATENT & TRADEMARK OFFICE	81,847	81,847	62,423	18,599	-0-	425	-0-	-0-	-0-	-0-	-
DEPARTMENT OF DEFENSE, TOTAL	94,875	35,456	7,348	15,366	2,814	2,928	59,419	2,459	7,632	3,369	42,959
DEPARTMENT OF THE ARMY	5,554	3,344	745	425	358	1,816	2,210	190	403	25	1,592
DEPARTMENT OF THE NAVY	20,272	9,858	3,429	4,529	1,979	121	10,414	4,055	1,993	2,622	1,744
DEPARTMENT OF THE AIR FORCE	13,188	8,695	1,914	3,024	3,248	709	4,493	994	996	375	1,928
DEFENSE AGENCIES	55,861	13,559	1,256	11,588	229	286	42,302	220	4,240	342	37,700
DEPT OF HEALTH, ED, & WELFARE, TOTAL	84,470	38,306	6,133	25,885	3,021	3,267	46,164	4,652	26,219	3,326	11,967
ALCOHOL, DRUG ABUSE & MENTAL HEALTH	4,386	1,191	306	885	-0-	-0-	3,195	869	1,636	690	90
CENTER FOR DISEASE CONTROL	2,542	1,999	424	908	367	-0-	543	225	180	138	-
FOOD AND DRUG ADMINISTRATION	4,360	3,100	370	2,650	80	-0-	1,260	900	-0-	360	-
HEALTH RESOURCES ADMINISTRATION	615	122	52	46	6	18	493	6	5	-0-	482
NATIONAL INSTITUTES OF HEALTH	71,914	31,241	4,053	21,296	2,503	3,249	40,673	2,652	24,398	2,188	11,435
SOCIAL SECURITY ADMINISTRATION	653	653	388	-0-	65	-0-	-0-	-0-	-0-	-0-	-
DEPARTMENT OF THE INTERIOR, TOTAL	30,330	29,571	11,974	16,023	904	670	759	204	535	20	-
BUREAU OF MINES	800	800	525	225	50	-0-	-0-	-0-	-0-	-0-	-
BUREAU OF OUTDOOR RECREATION	50	50	-0-	50	-0-	-0-	-0-	-0-	-0-	-0-	-
BUREAU OF RECLAMATION	800	775	260	250	265	-0-	25	-0-	5	20	-
GEOLOGICAL SURVEY	23,846	23,846	10,523	12,256	397	670	-0-	-0-	-0-	-0-	-
NATIONAL PARK SERVICE	315	211	191	20	-0-	-0-	104	104	-0-	-0-	-
NATIONAL RESOURCES LIBRARY	2,284	2,284	25	2,242	17	-0-	-0-	-0-	-0-	-0-	-
OFFICE OF WATER RES AND TECHNOLOGY	1,100	730	-0-	730	-0-	-0-	370	-0-	370	-0-	-
US FISH AND WILDLIFE SERVICE	1,135	875	450	450	175	-0-	260	100	160	-0-	-
DEPARTMENT OF JUSTICE, TOTAL	2,810	600	540	60	-0-	-0-	2,210	10	2,200	-0-	-
LAW ENFORCEMENT ASSISTANCE ADMIN	2,810	600	540	60	-0-	-0-	2,210	10	2,200	-0-	-
DEPARTMENT OF LABOR, TOTAL	592	336	210	101	25	-0-	256	56	-0-	50	150
EMPLOYMENT AND TRAINING ADMIN	512	256	180	76	-0-	-0-	256	56	-0-	50	150
OFFICE OF THE SECRETARY	80	80	30	25	25	-0-	-0-	-0-	-0-	-0-	-
DEPARTMENT OF STATE, TOTAL	2,841	1,861	35	1,626	-0-	-0-	420	220	200	-0-	-
DEPARTMENTAL FUNDS	226	226	-0-	226	-0-	-0-	-0-	-0-	-0-	-0-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	2,055	1,635	35	1,400	-0-	-0-	420	220	200	-0-	-
DEPT OF TRANSPORTATION, TOTAL	4,700	2,140	100	1,990	50	-0-	2,620	115	2,505	-0-	-
FEDERAL AVIATION ADMINISTRATION	190	120	10	100	10	-0-	70	20	50	-0-	-
FEDERAL HIGHWAY ADMINISTRATION	625	260	40	200	20	-0-	365	15	350	-0-	-
FEDERAL RAILROAD ADMINISTRATION	75	-0-	-0-	-0-	-0-	-0-	75	-0-	75	-0-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	1,265	45	20	25	-0-	-0-	1,220	20	1,200	-0-	-
OFFICE OF THE SECRETARY	1,900	1,540	10	1,530	-0-	-0-	360	10	350	-0-	-
UNITED STATES COAST GUARD	500	100	-0-	100	-0-	-0-	400	-0-	400	-0-	-
URBAN MASS TRANSPORTATION ADMIN	205	75	20	35	20	-0-	130	50	80	-0-	-
OTHER AGENCIES											
ADV COMM ON INTERGOVERNMNTL RELATIONS	166	166	115	36	15	-0-	-0-	-0-	-0-	-0-	-
CONSUMER PRODUCT SAFETY COMMISSION	1,800	500	-0-	400	100	-0-	1,300	-0-	1,300	-0-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	8,230	4,264	2,030	2,234	-0-	-0-	3,966	1,451	2,445	70	-
ENVIRONMENTAL PROTECTION AGENCY	3,050	2,427	830	1,347	250	-0-	623	190	388	45	-
FEDERAL COMMUNICATIONS COMMISSION	40	20	6	6	8	-0-	-0-	-0-	-0-	-0-	-
FEDERAL HOME LOAN BANK BOARD	35	35	-0-	35	-0-	-0-	-0-	-0-	-0-	-0-	-
LIBRARY OF CONGRESS	36,910	36,910	-0-	33,299	-0-	3,611	-0-	-0-	-0-	-0-	-
NATIONAL AERONAUTICS & SPACE ADMIN	26,872	13,129	3,153	5,561	2,100	315	13,743	8,494	5,024	91	216
NATIONAL SCIENCE FOUNDATION	7,675	378	58	145	-0-	175	7,297	12	1,485	235	5,565
NUCLEAR REGULATORY COMMISSION	465	360	175	187	-0-	-0-	105	50	55	-0-	-
OFFICE OF TELECOMMUNICATIONS POLICY	113	98	25	68	5	-0-	15	-0-	-0-	15	-
SMITHSONIAN INSTITUTION	6,190	4,290	1,345	2,492	303	150	1,900	-0-	1,900	-0-	-
TENNESSEE VALLEY AUTHORITY	150	150	-0-	150	-0-	-0-	-0-	-0-	-0-	-0-	-
US ARMS CONTROL & DISARMAMENT AGENCY	125	125	4	115	6	-0-	-0-	-0-	-0-	-0-	-
VETERANS ADMINISTRATION	6,795	6,715	645	3,400	2,360	310	80	30	-0-	50	-

SOURCE: NATIONAL SCIENCE FOUNDATION.